

Fig. 1C

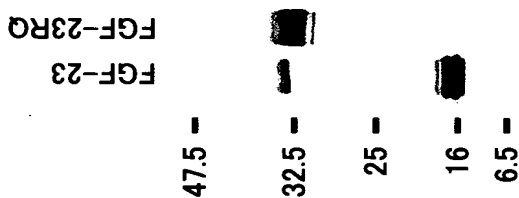
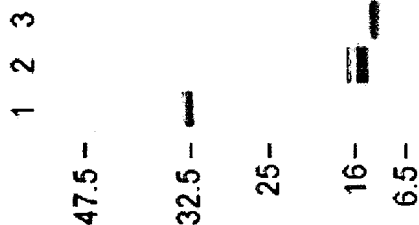
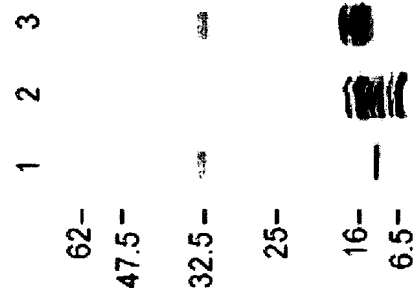


Fig. 1B



1: Full-length FGF-23
2: FGF-23 fragment
(N-terminal side)
3: FGF-23 fragment
(C-terminal side)

Fig. 1A



1: Anti-His-tag antibody
2: Anti-FGF23-48 antibody
3: Anti-FGF23-148 antibody

Fig. 2

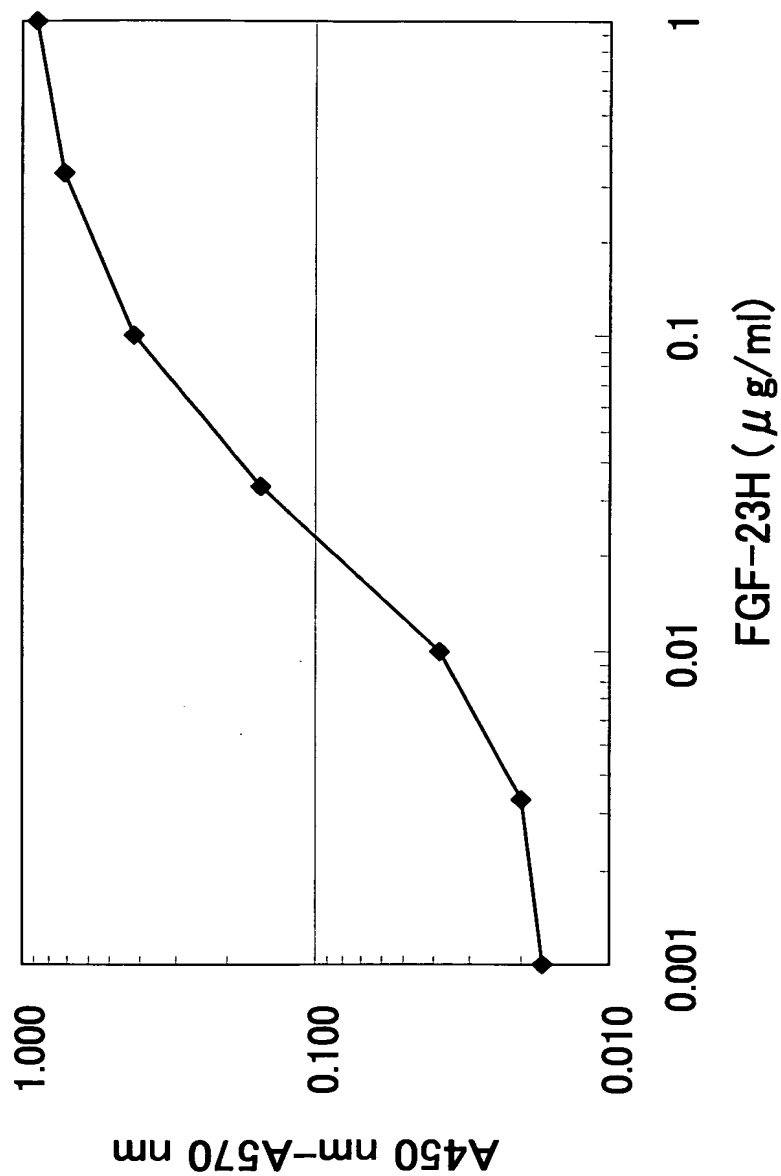


Fig. 3

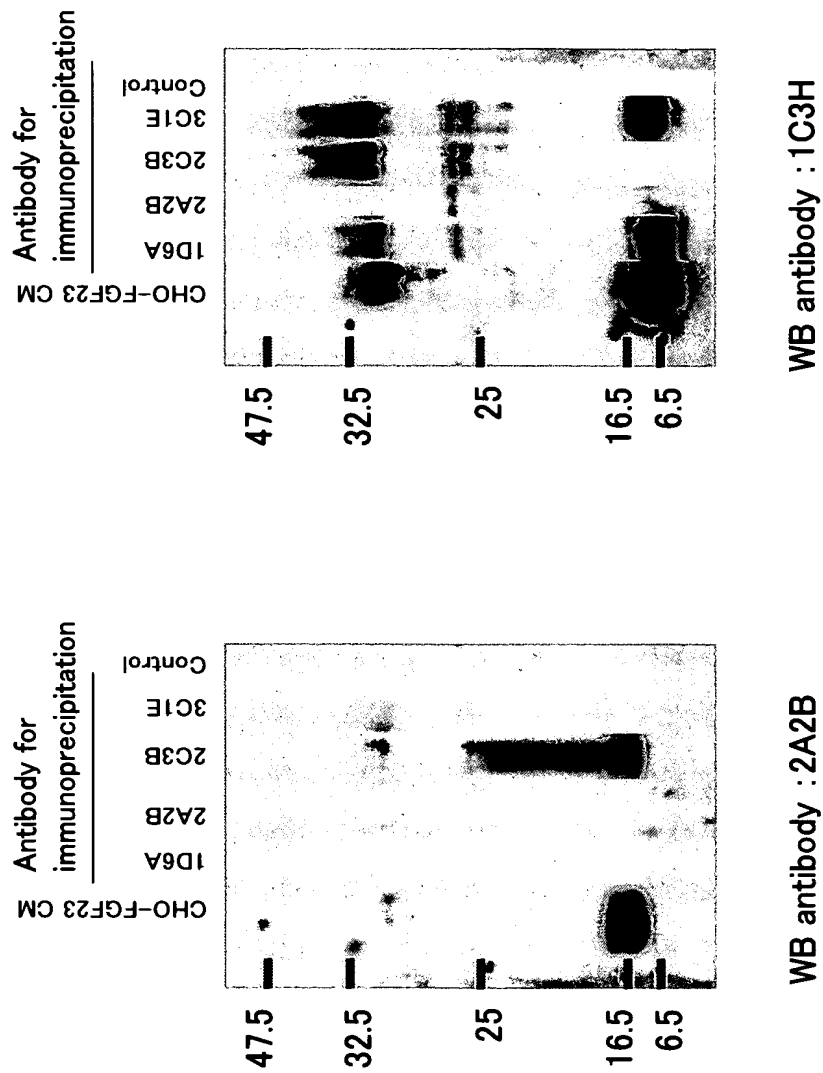
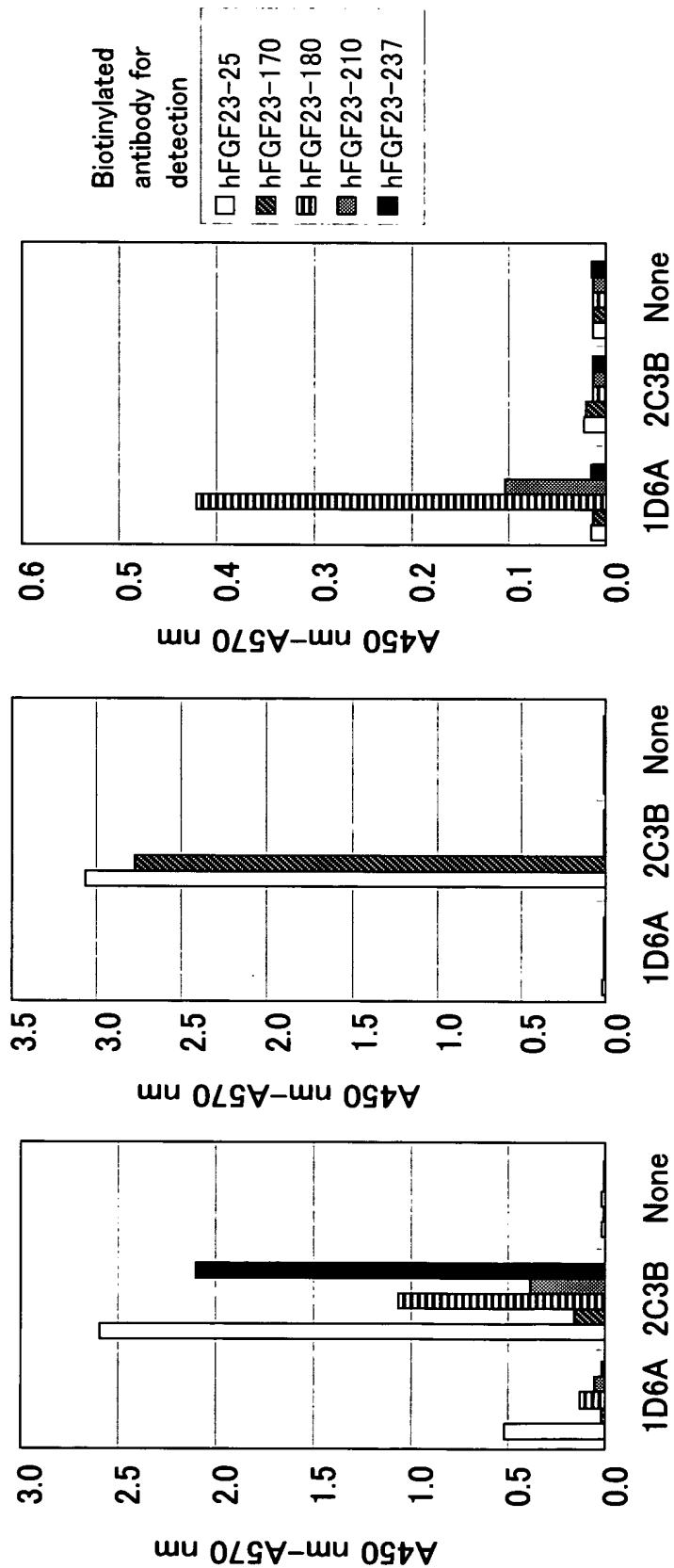
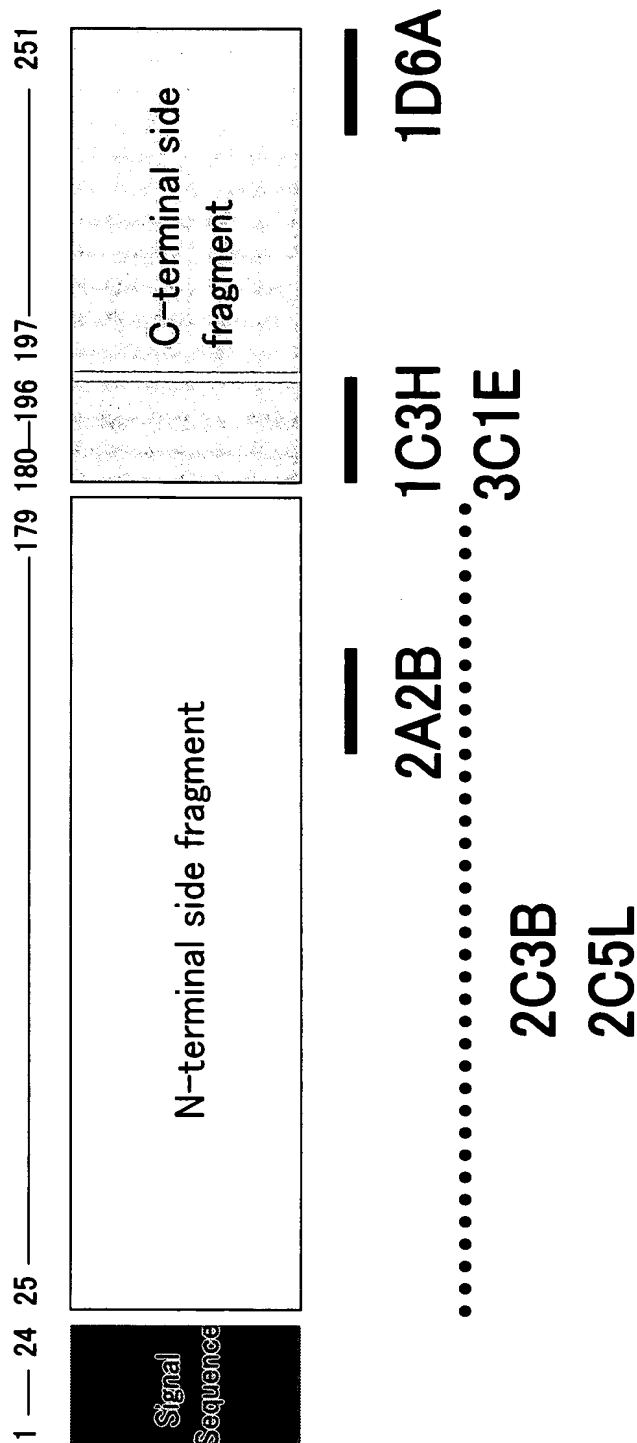


Fig. 4



Immobilized monoclonal antibody

Fig. 5



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10/500296

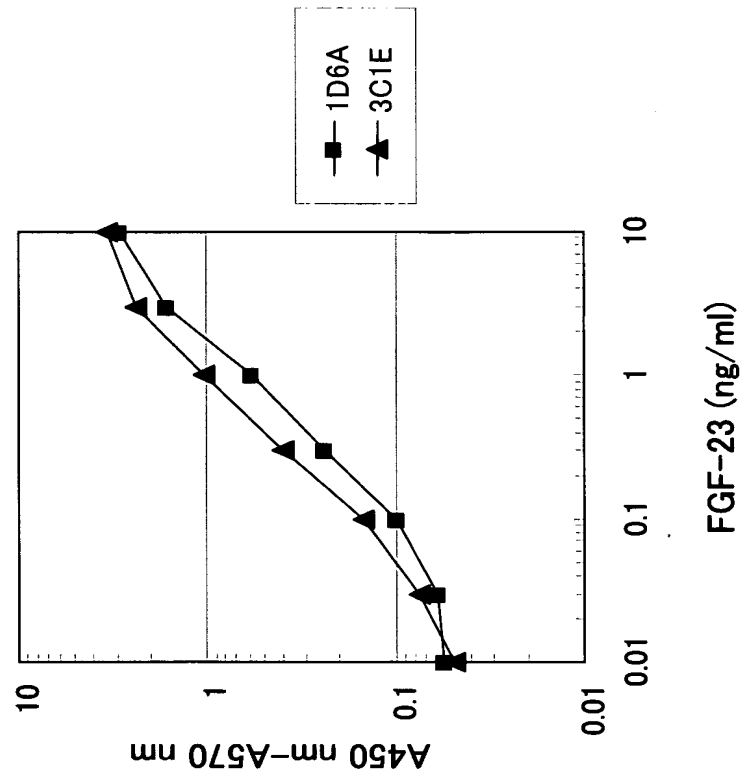


Fig. 6

Fig. 7

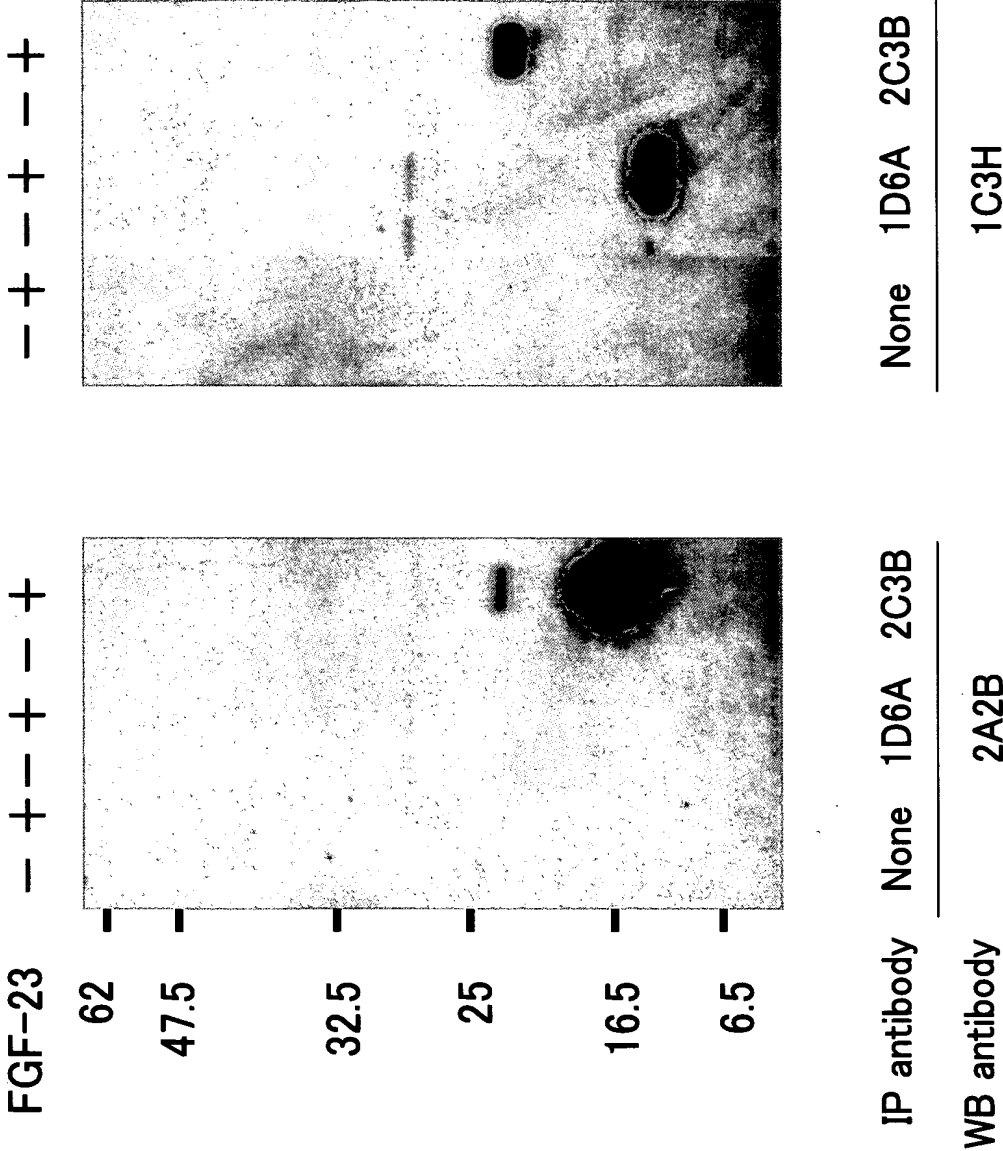


Fig. 8

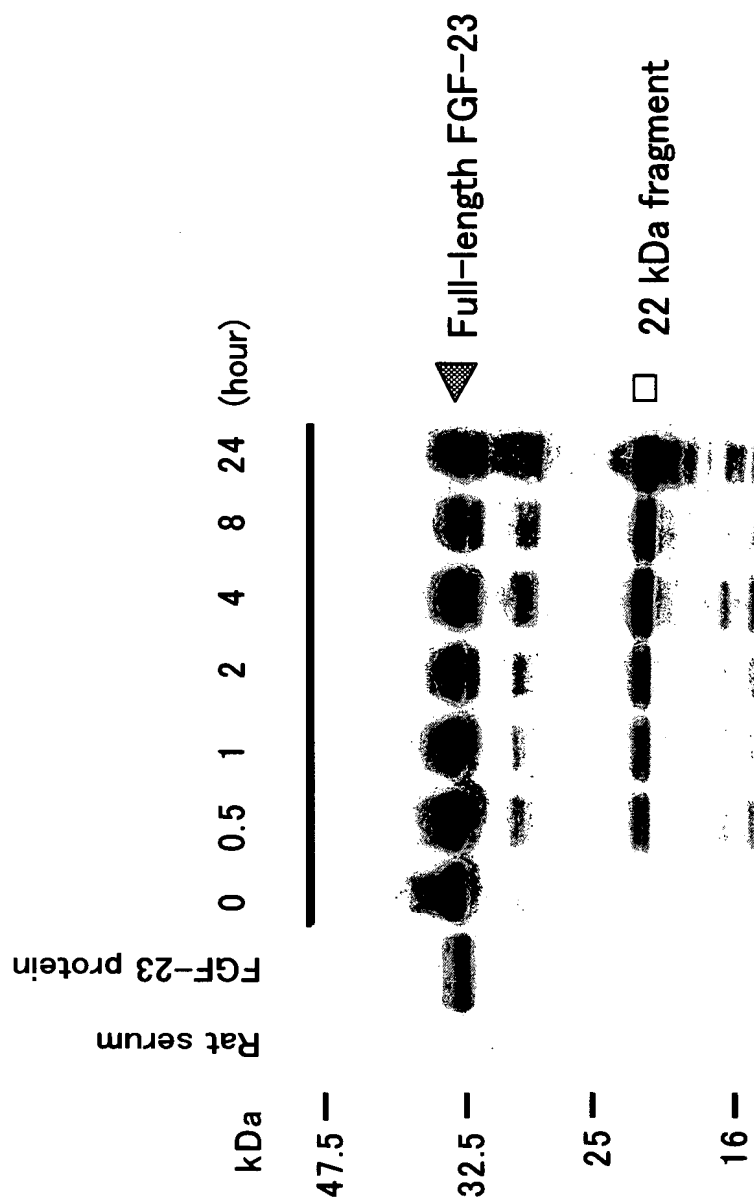


Fig. 9

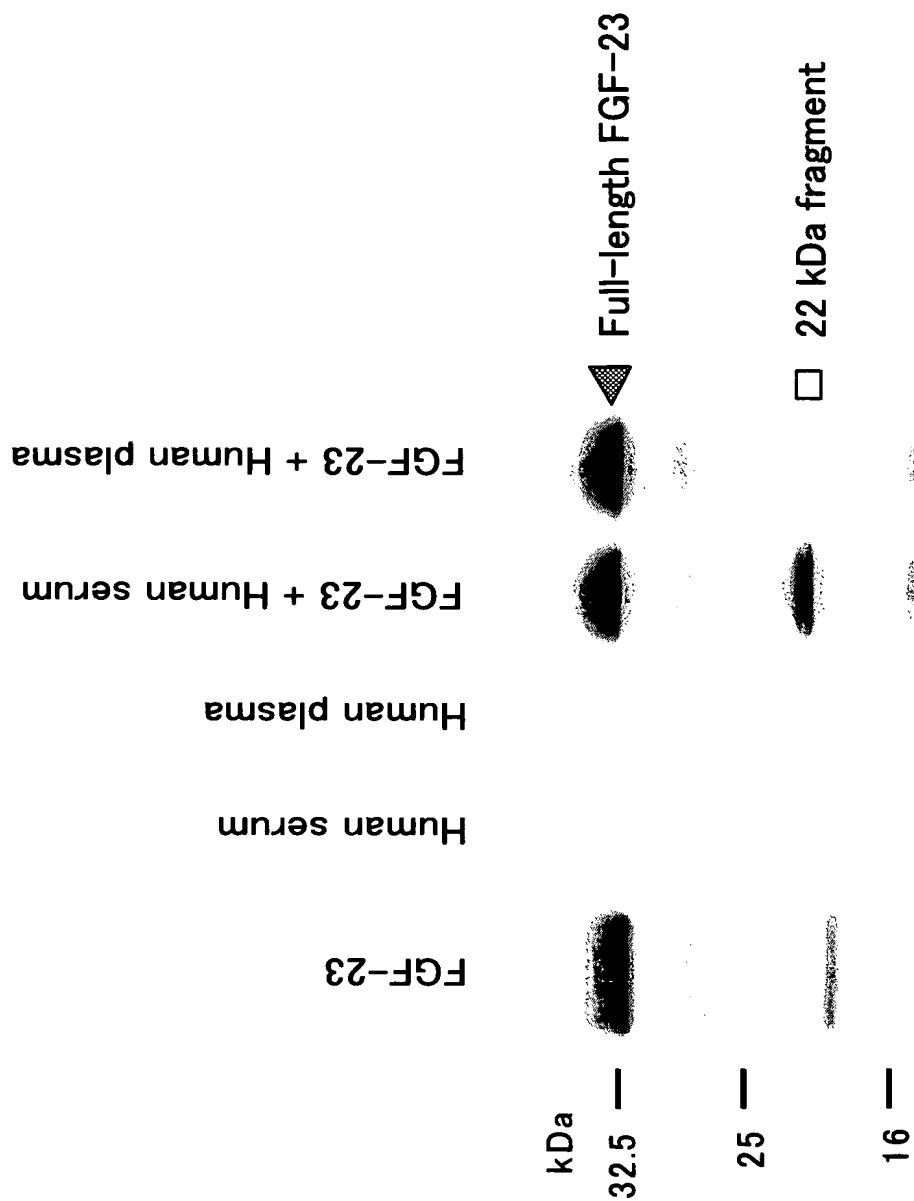


Fig. 10



Fig. 11

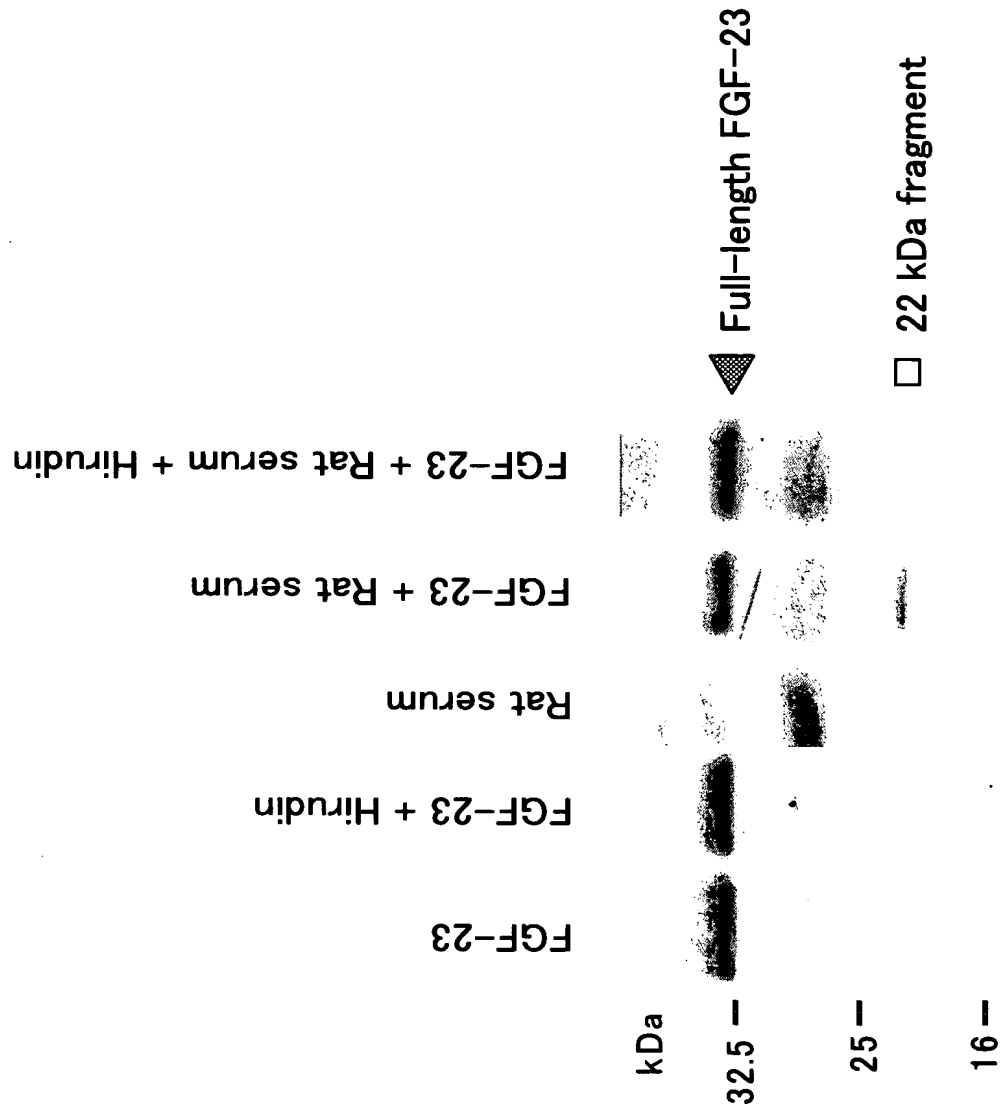


Fig. 12

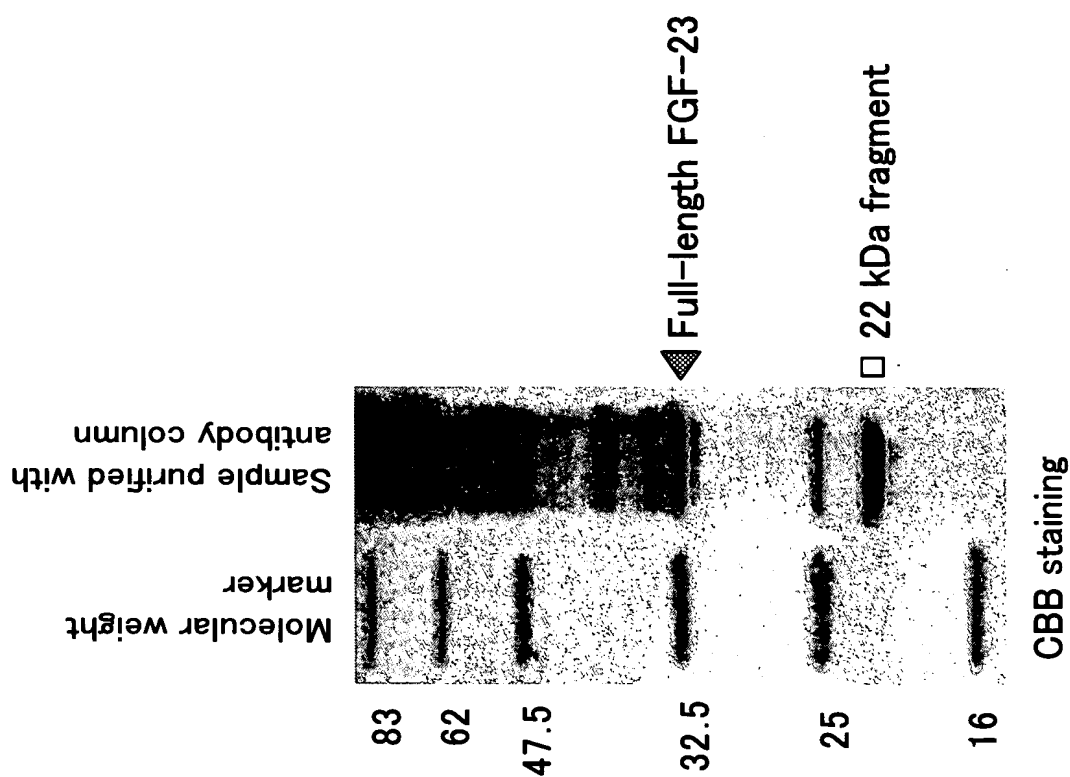


Fig. 13

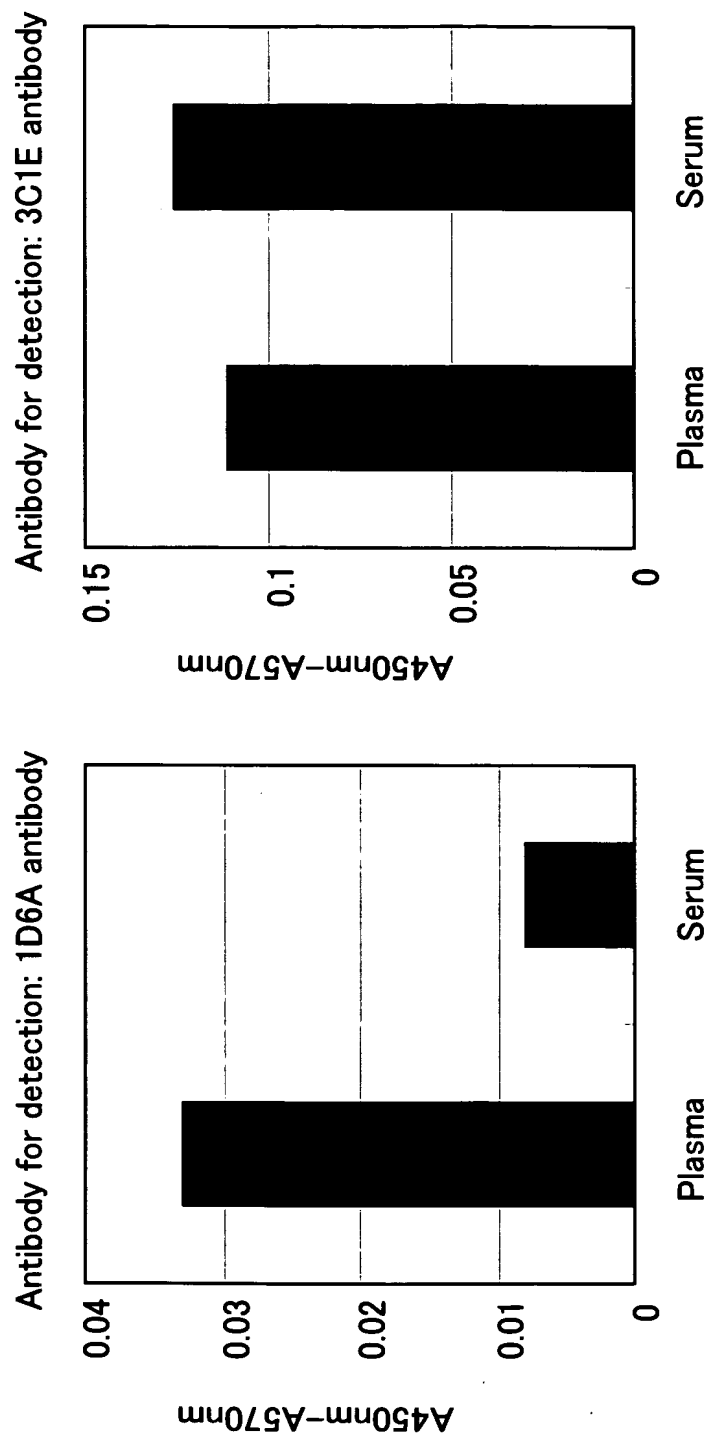
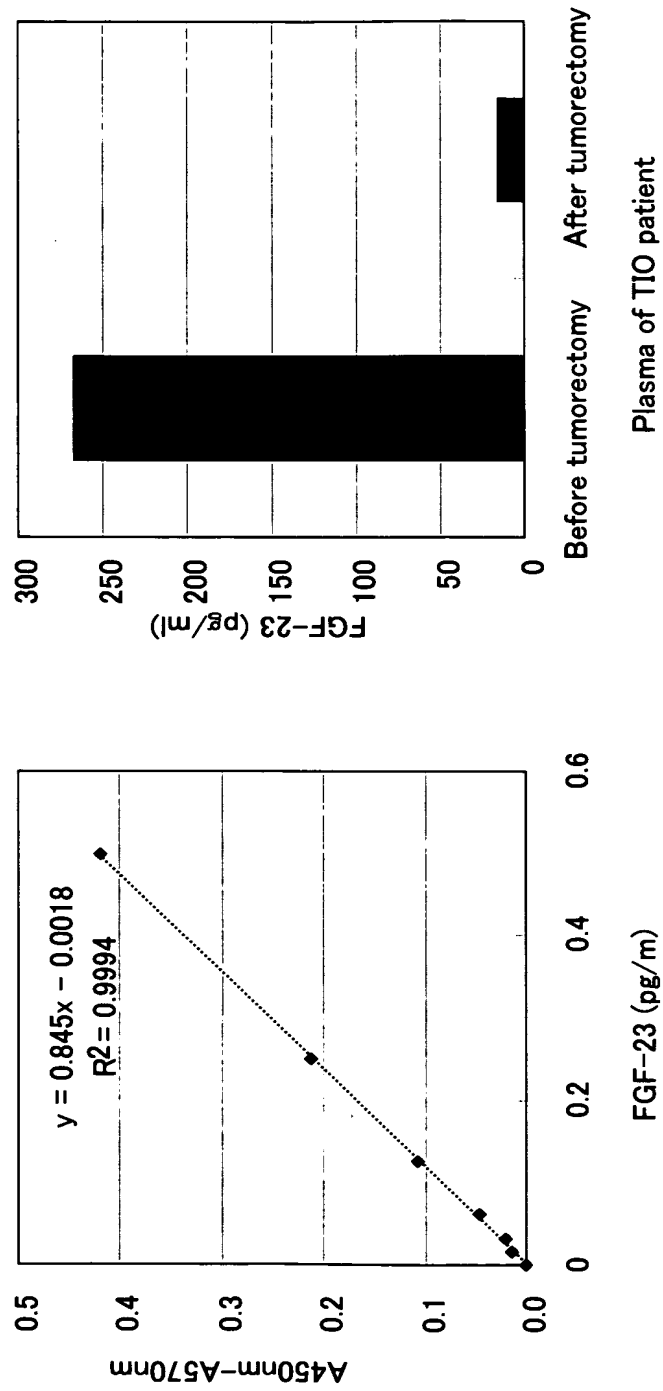


Fig. 14



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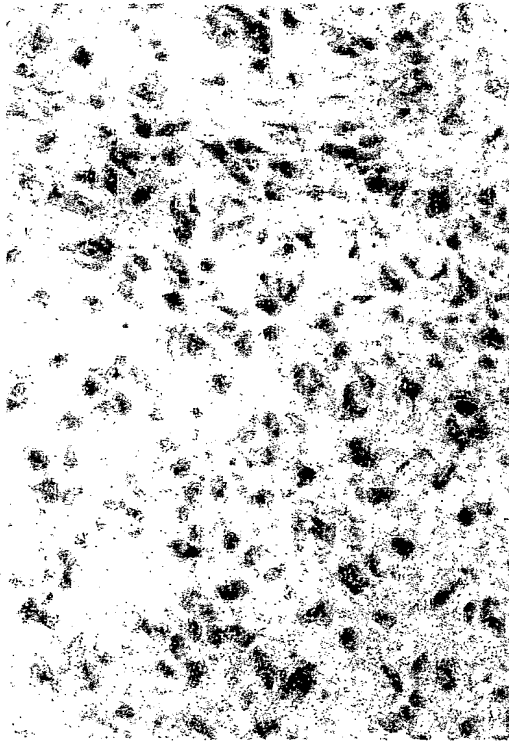


Fig. 15

Fig. 16B

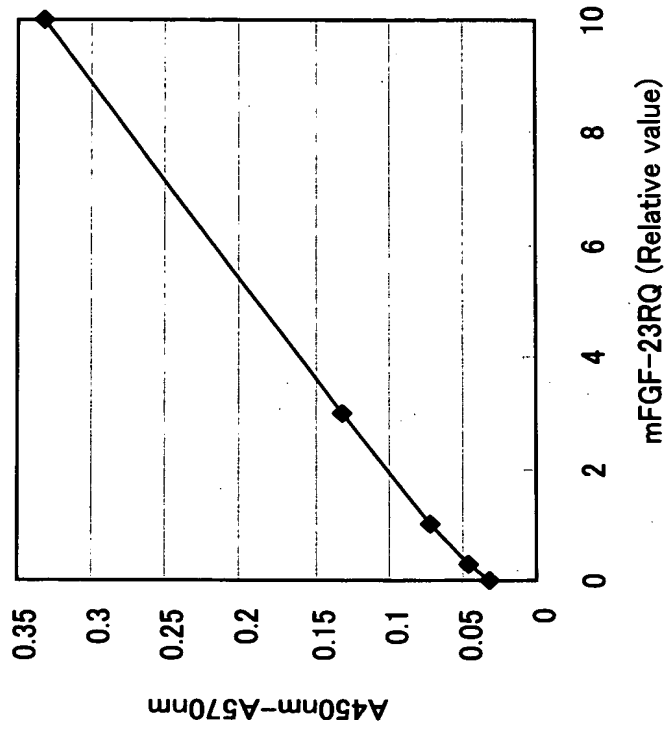


Fig. 16A

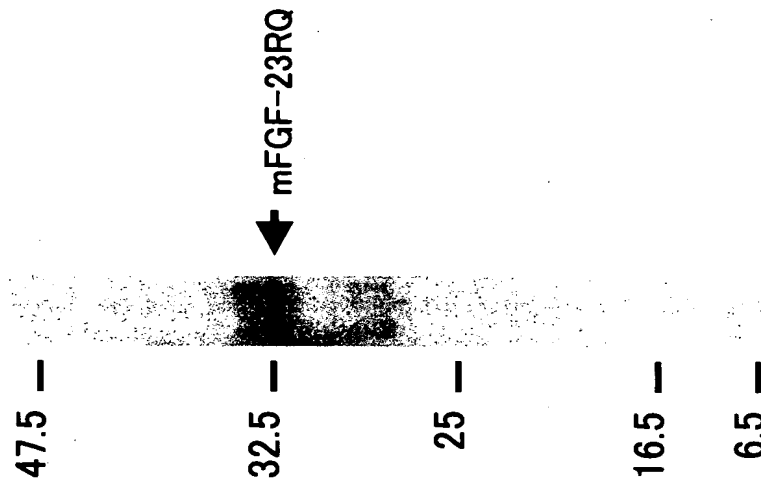


Fig. 17

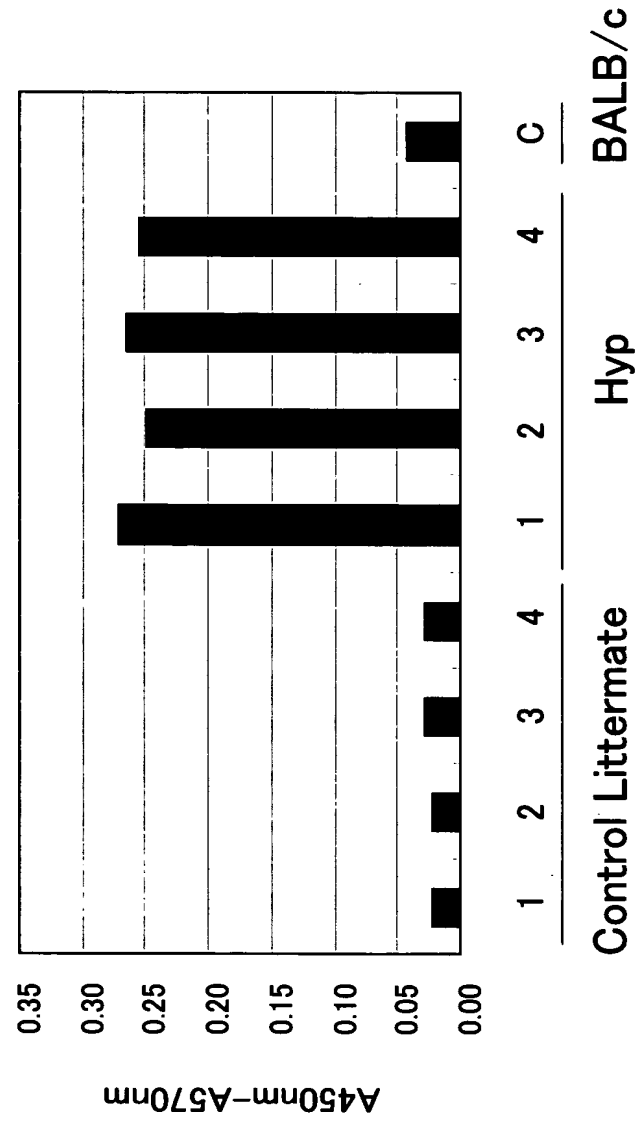
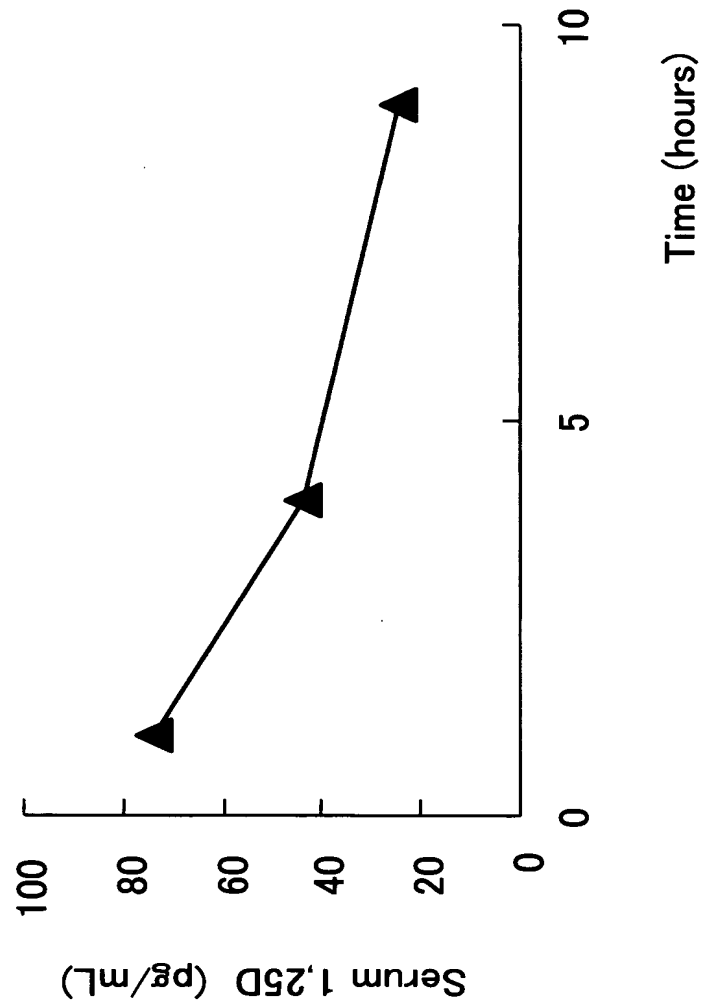


Fig. 18A



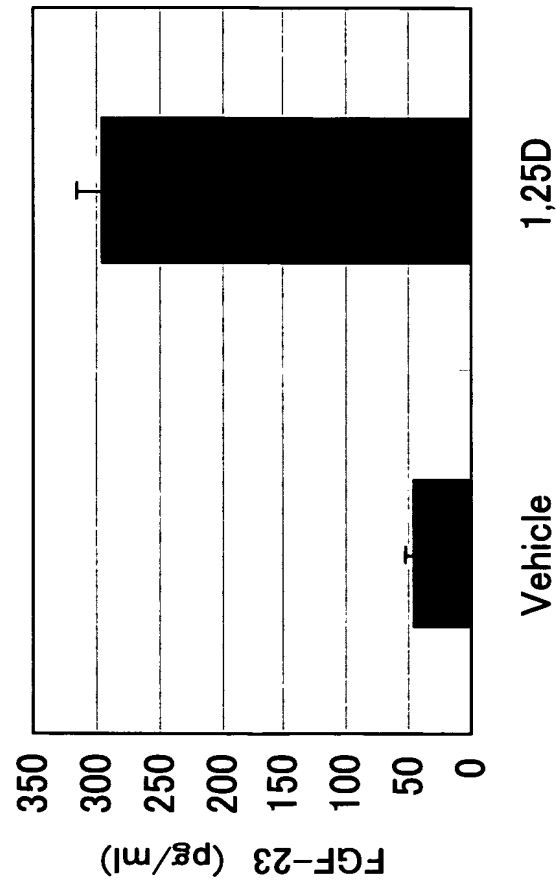


Fig. 18B

Fig. 19B

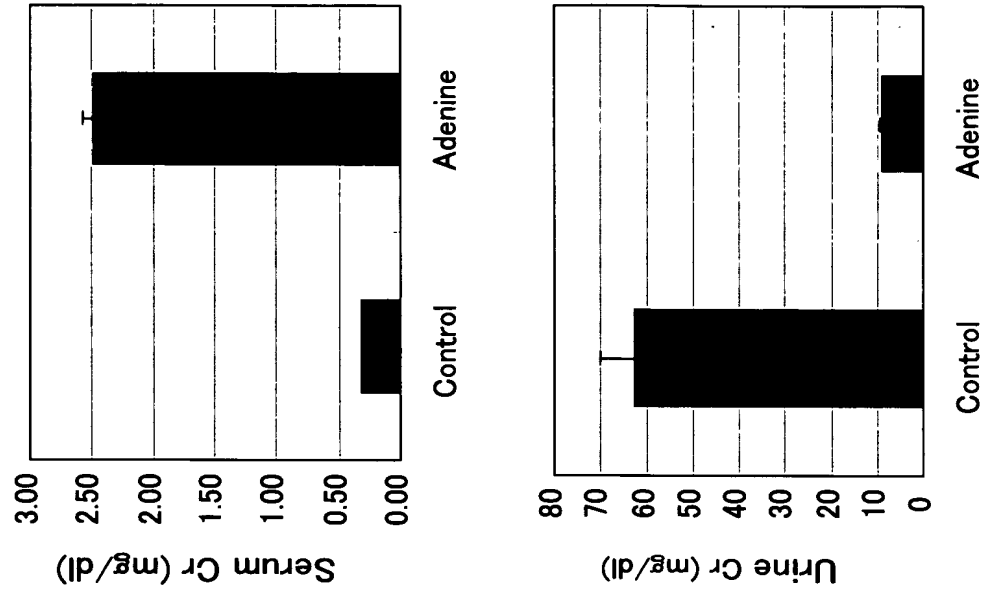
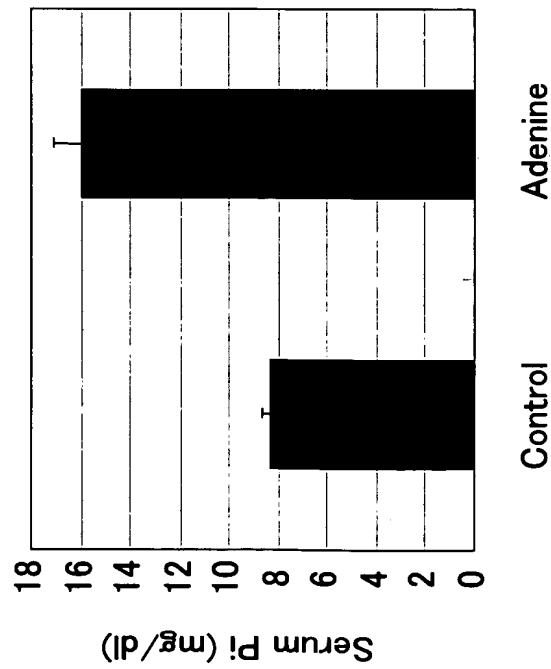


Fig. 19A



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Fig. 19C

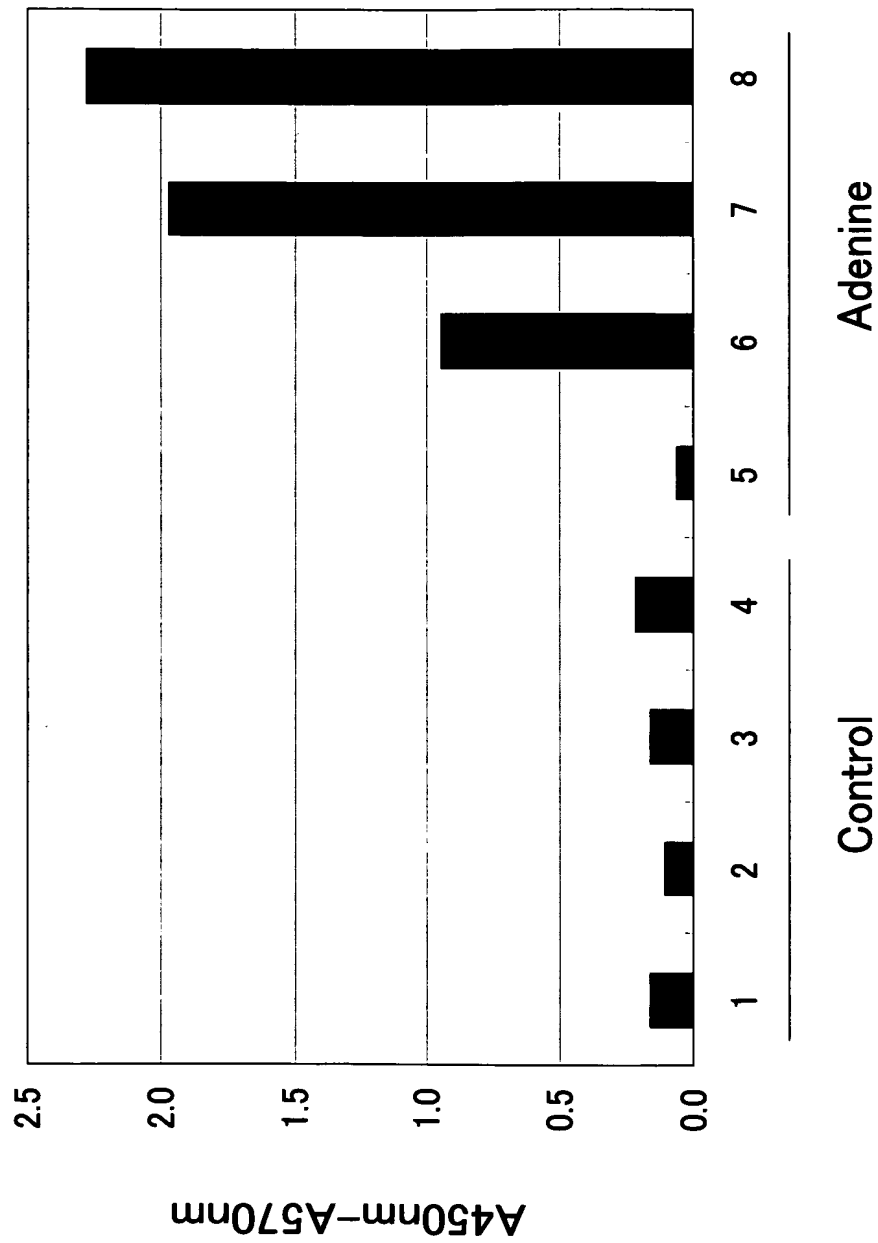


Fig. 20

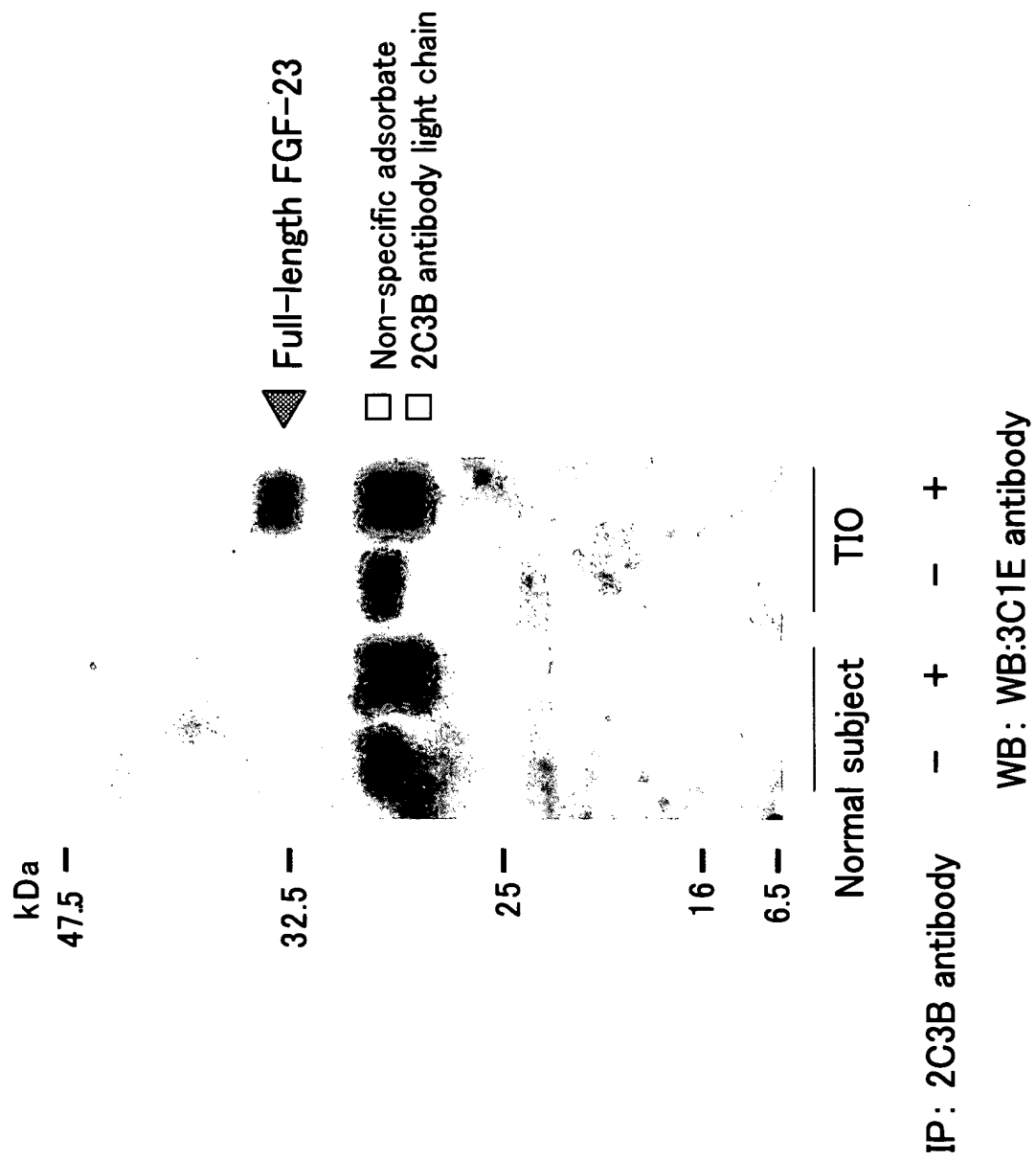


Fig. 21A

Group composition	Substance administered	Number of mice	Phosphate (mg/dL)	Calcium (mg/dL)	1,25(OH) ₂ D (pg/mL)
Group 1 :	PBS	4	8.95 +/- 0.31	9.41 +/- 0.20	118.1 +/- 8.1
Group 2 :	1D6A	4	6.65 +/- 0.47 *	9.50 +/- 0.17	84.0 +/- 2.6 *
Group 3 :	2C3B	4	10.73 +/- 1.22	9.74 +/- 0.14	192.5 +/- 3.9 *
Group 4 :	3C1E	4	11.76 +/- 0.42 *	9.49 +/- 0.04	78.5 +/- 2.2 *
Group 5:	Anti-TPO antibody	4	8.93 +/- 0.41	9.41 +/- 0.08	147.9 +/- 3.8 *

Fig. 21B

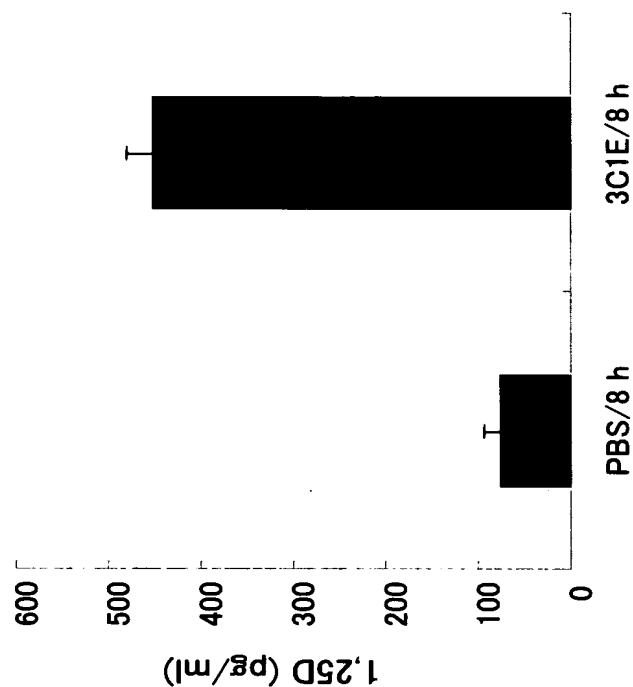


Fig. 22B

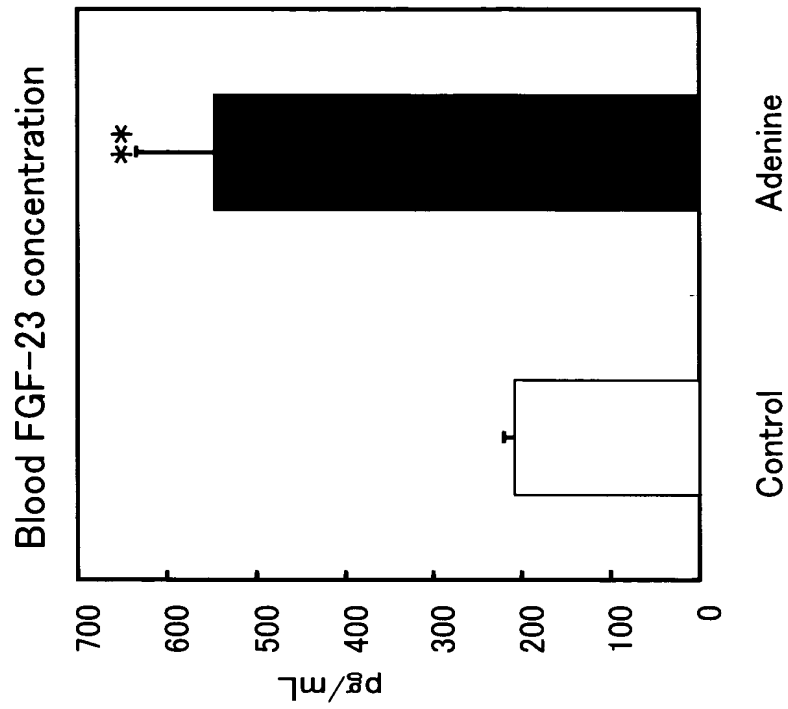


Fig. 22A

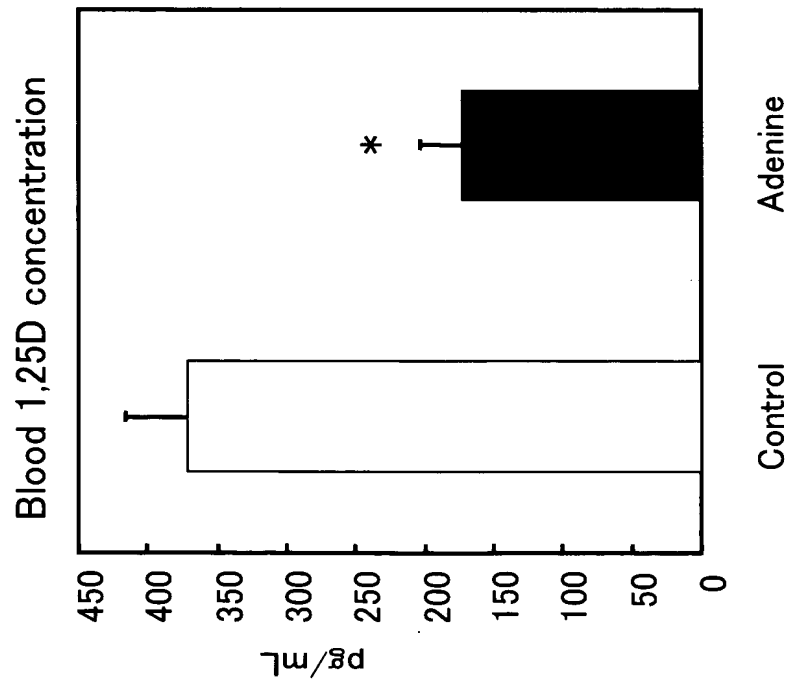


Fig. 22D

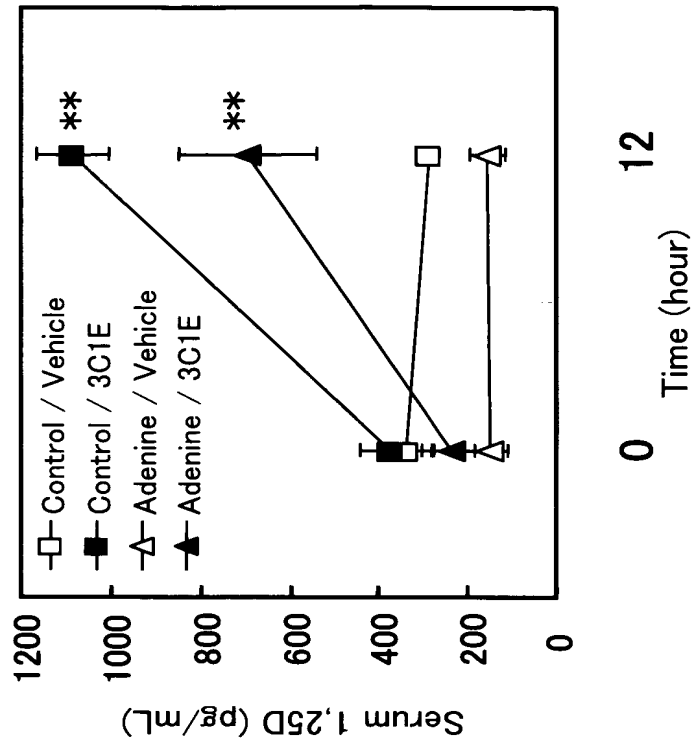


Fig. 22C

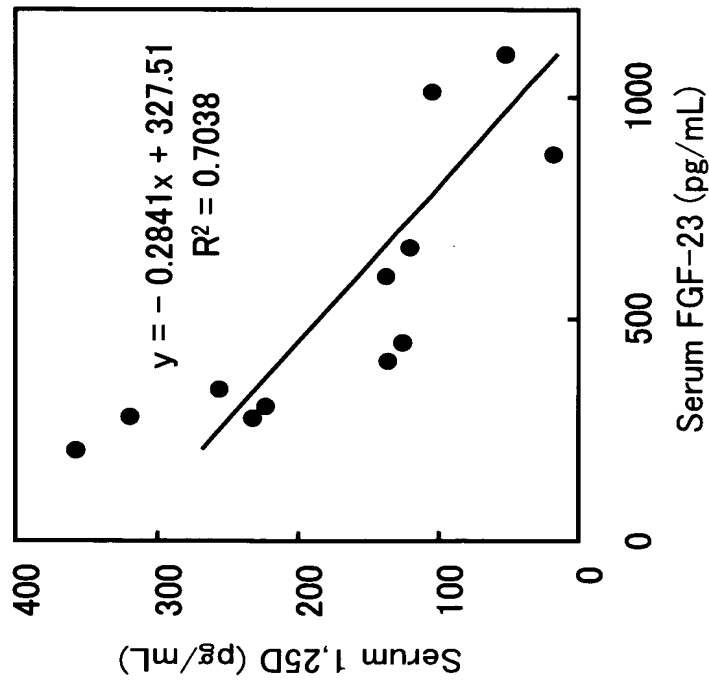


Fig. 23

	Age	Gender	FGF-23(ng/L)	Mutation in PHEX gene
Case 1	3 months old	man	111.3	2071-1 g→a (Intron20)
	1 year old		380.3	
Case 2	38 years old	woman	39.0	2071-1 g→a (Intron20)
Case 3	5 years old	woman	55.7	849+1 g→a (Intron 7)
	13 years old		68.6	
Case 4	15 years old	woman	115.0	2071-2 a→g (Intron20)
Case 5	18 years old	woman	107.6	2071-2 a→g (Intron20)
Case 6	67 years old	woman	96.5	Q189X (Exon 5)

Fig. 24

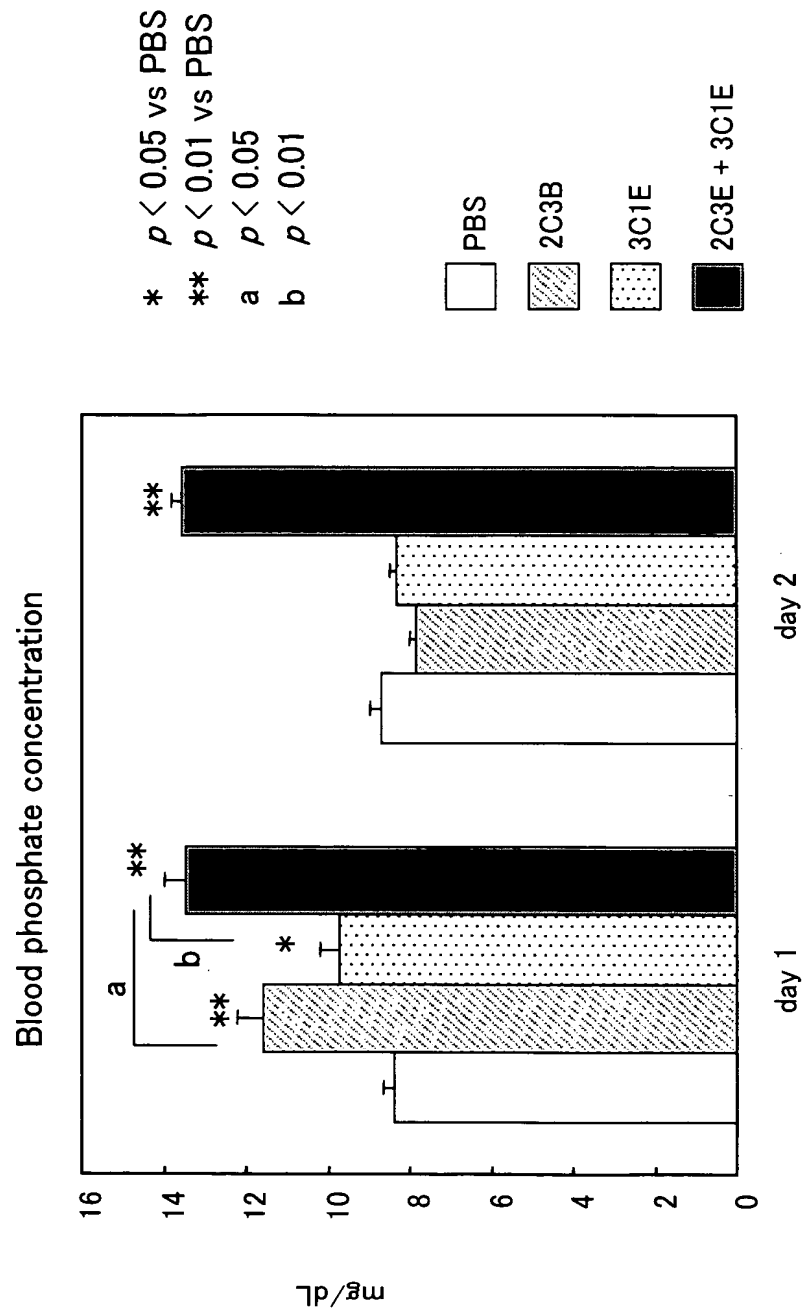


Fig. 25A

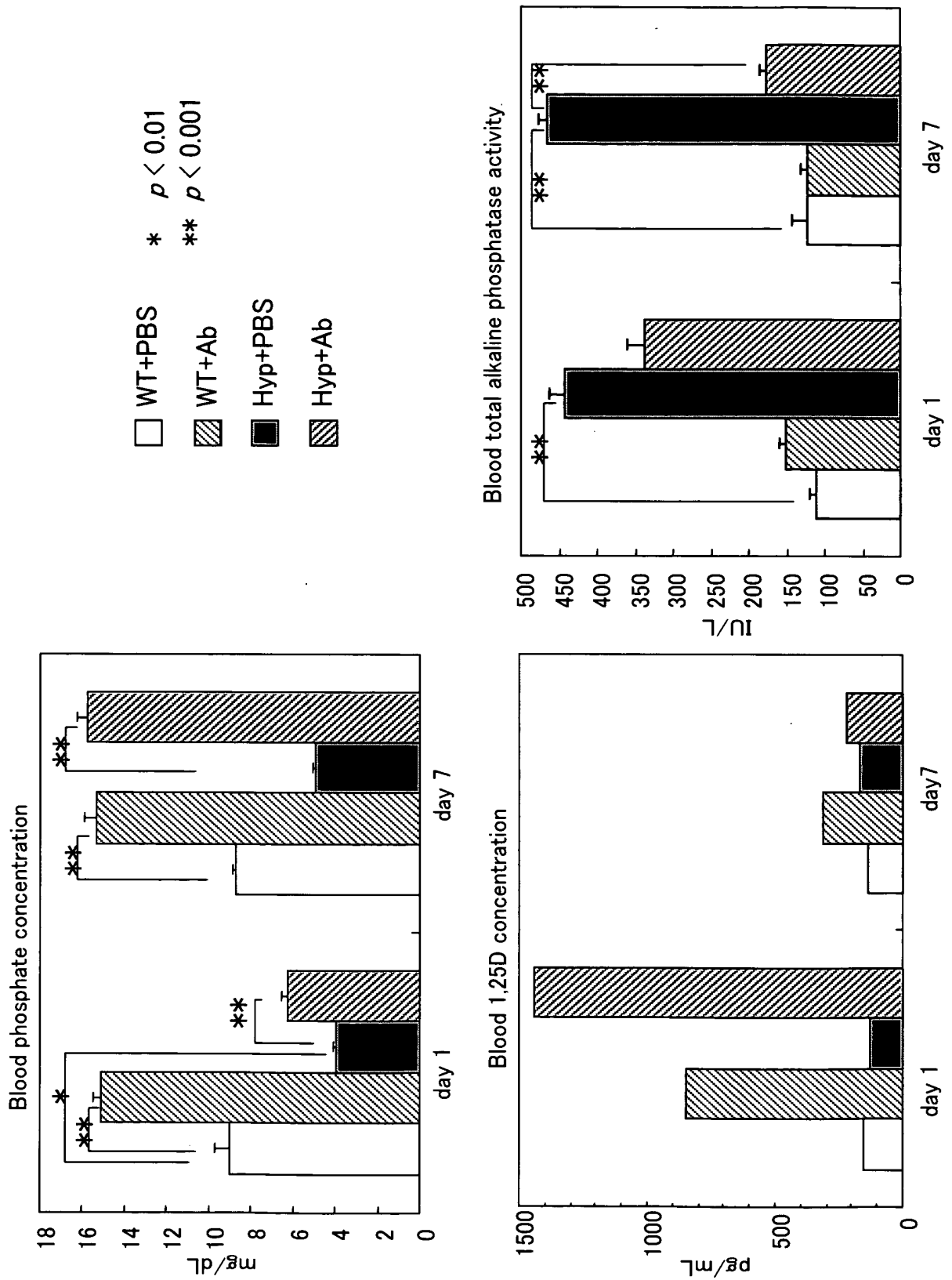


Fig. 25B

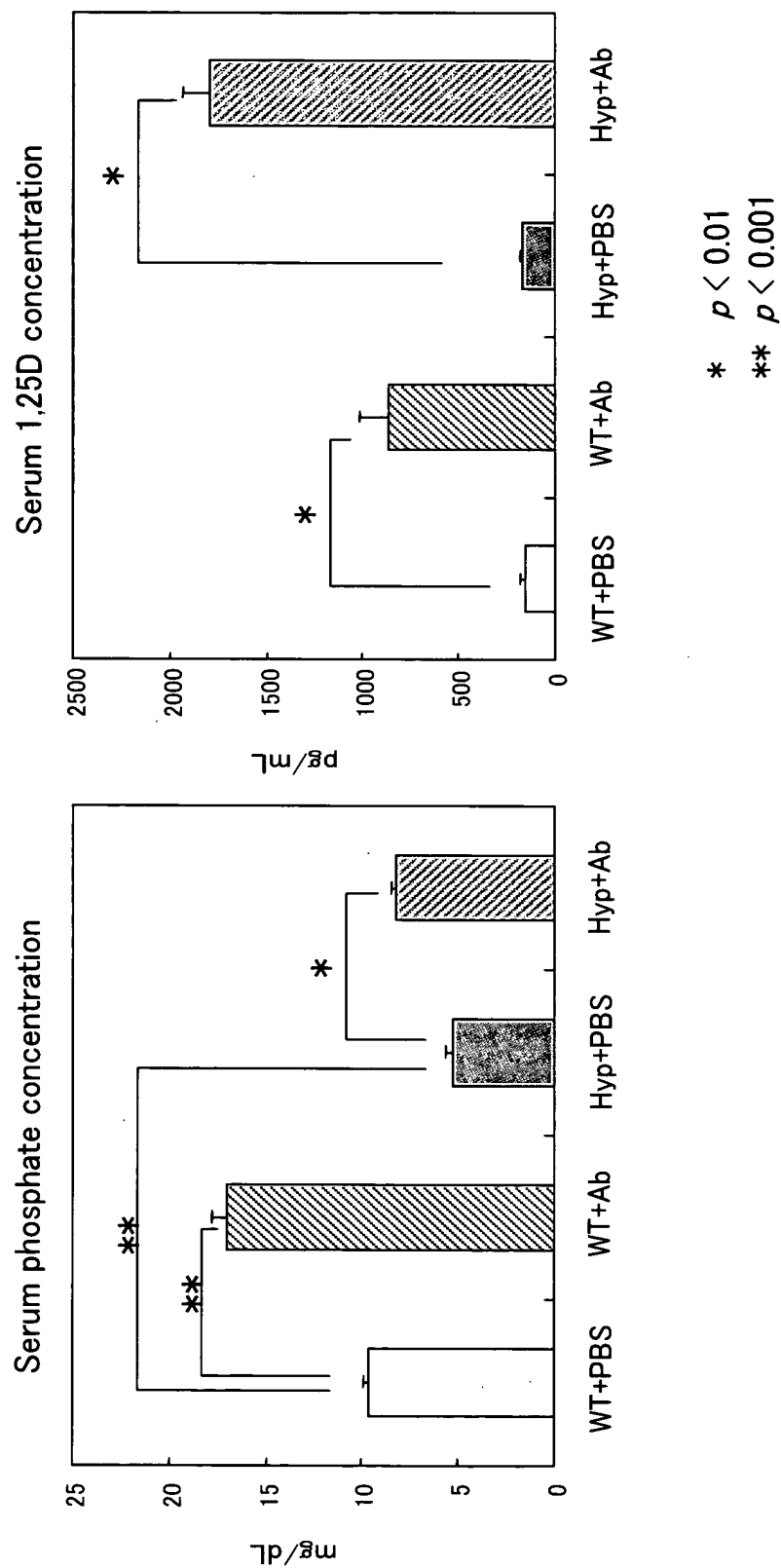


Fig. 25C

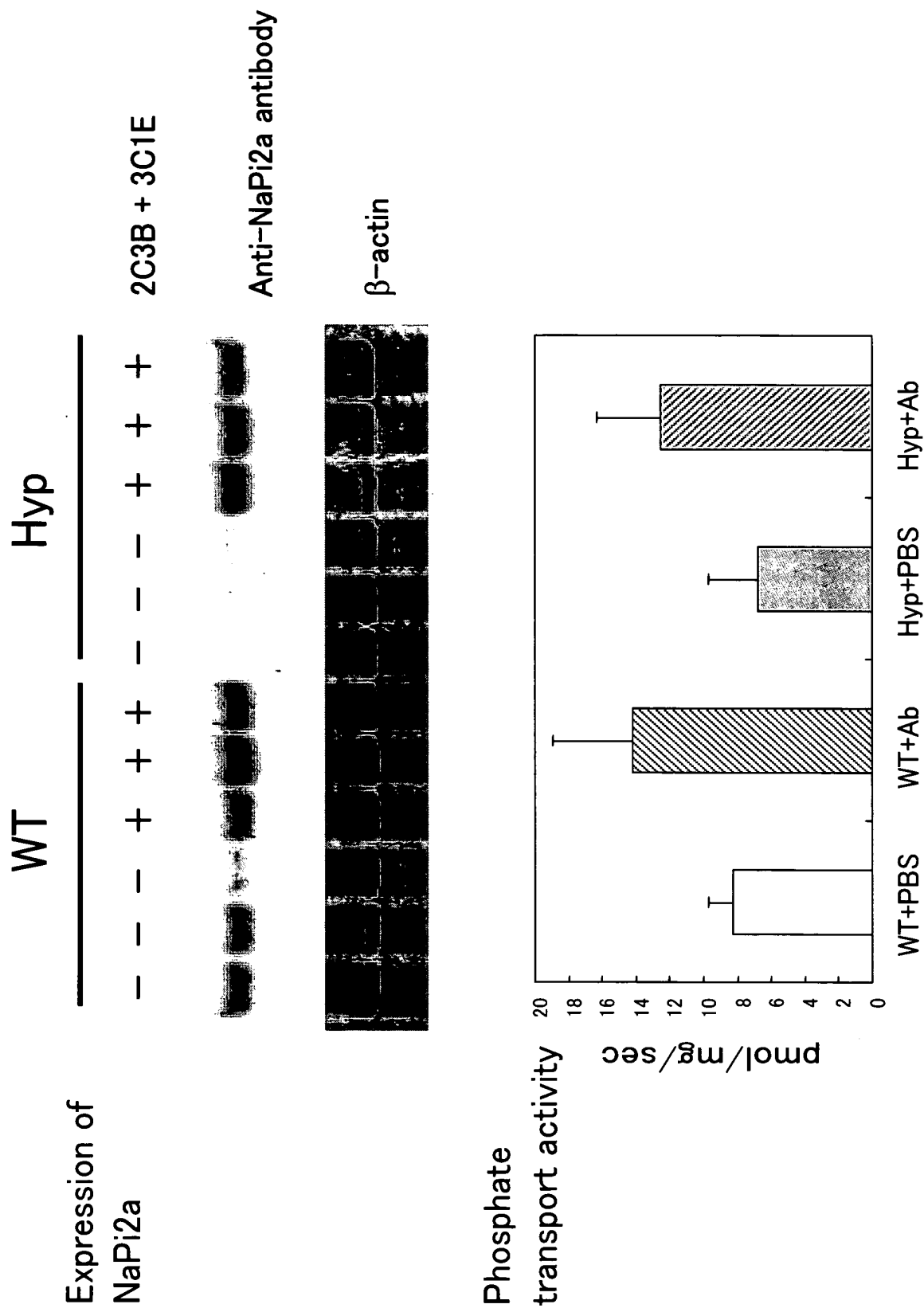


Fig. 25D

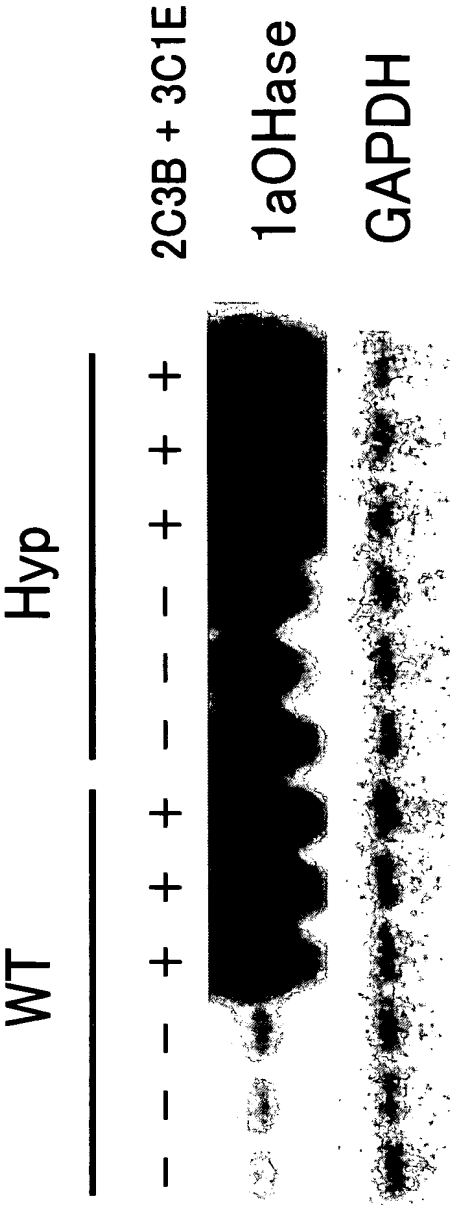


Fig. 26

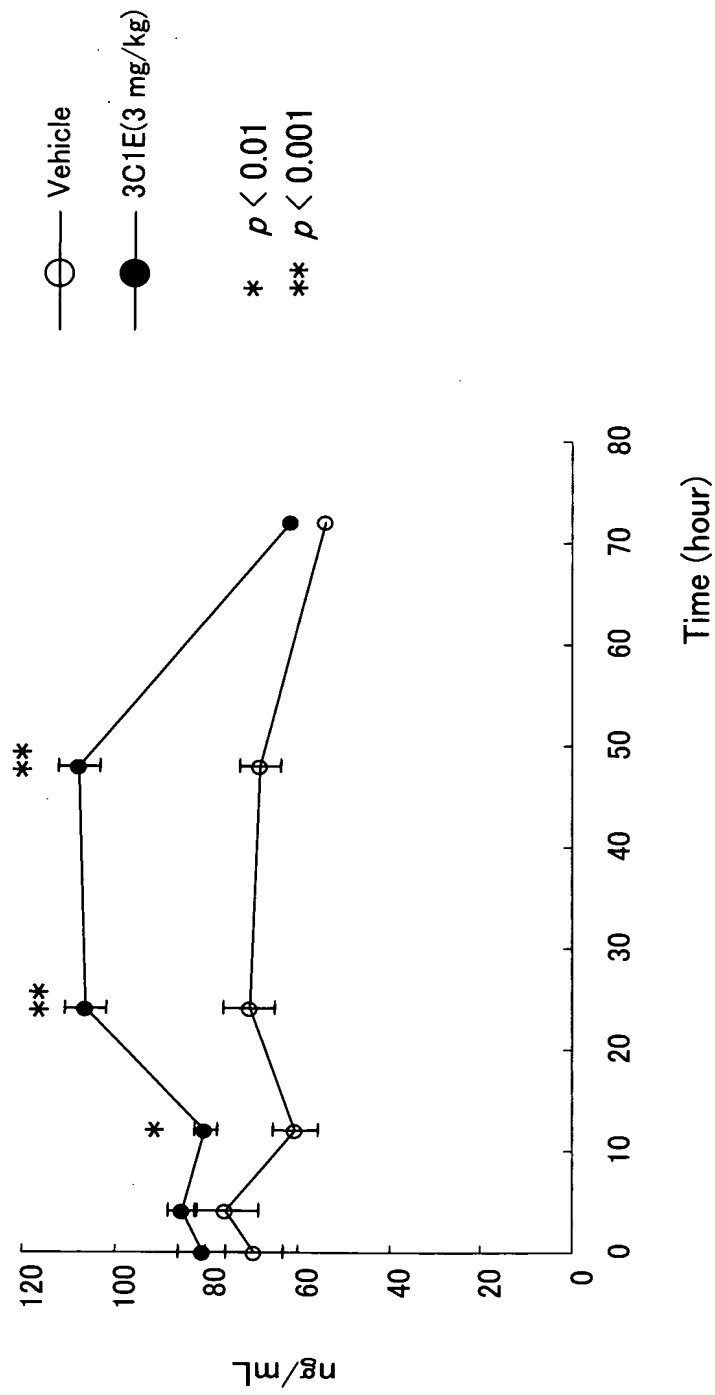


Fig. 27

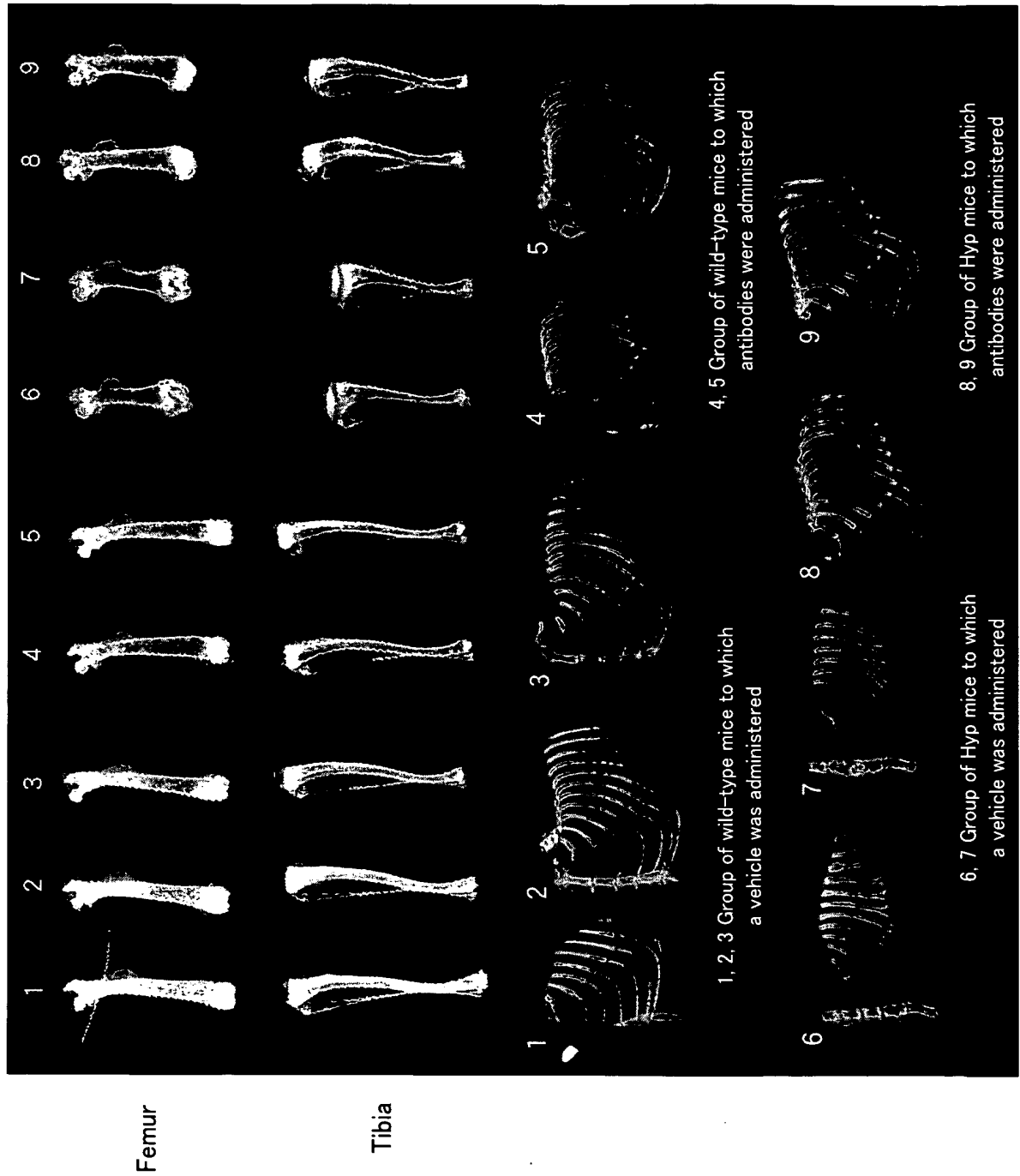
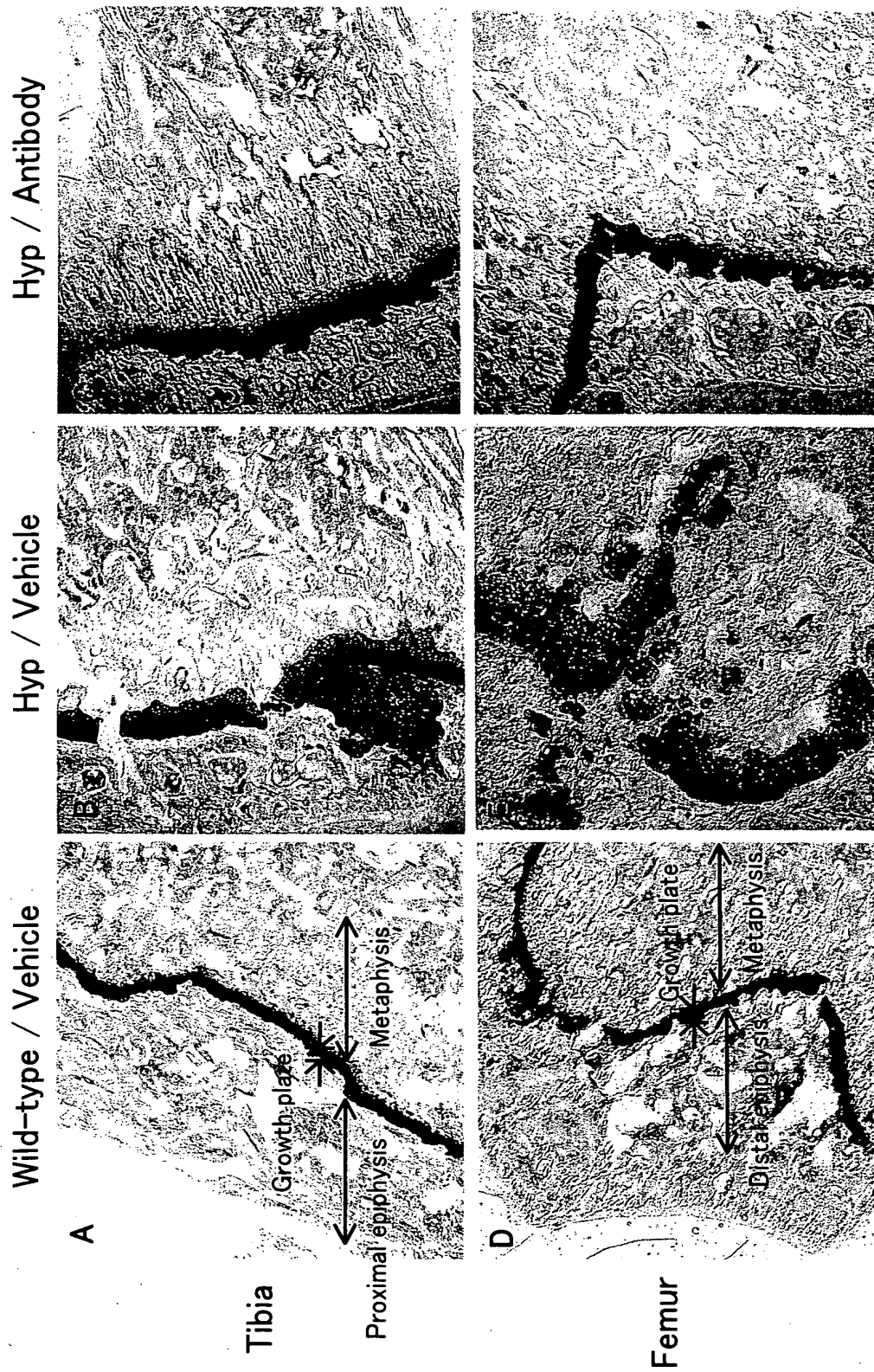


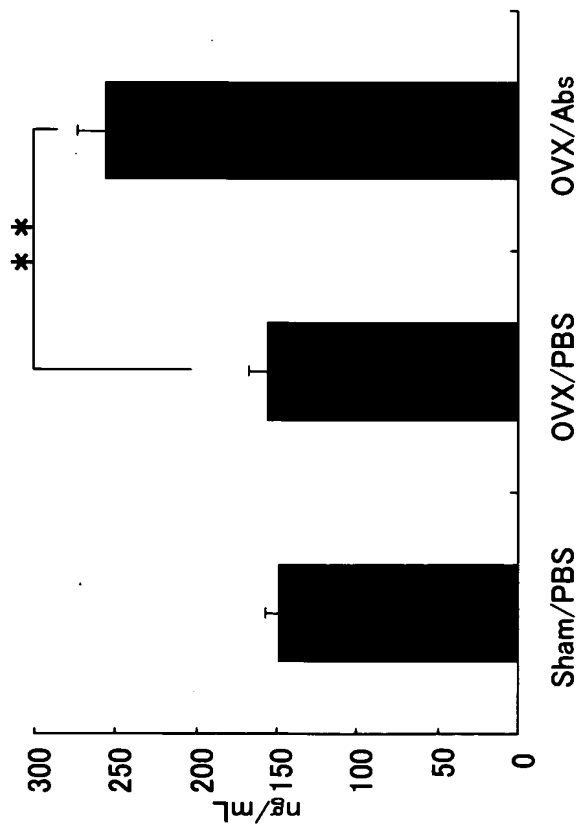
Fig. 28



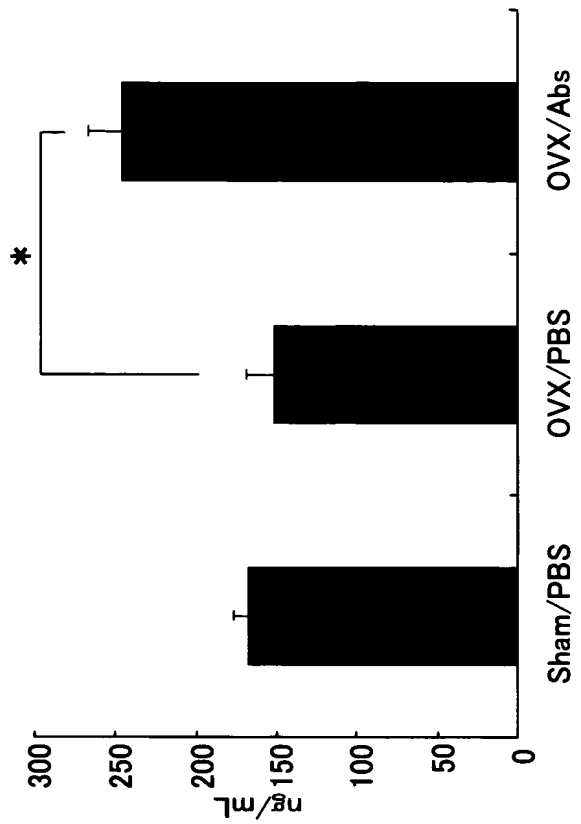
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Fig. 29A

Serum osteocalcin concentration



Week 2 after ovariectomy



Week 4 after ovariectomy

Fig. 29B

*p<0.01
**p<0.001

Fig. 30A

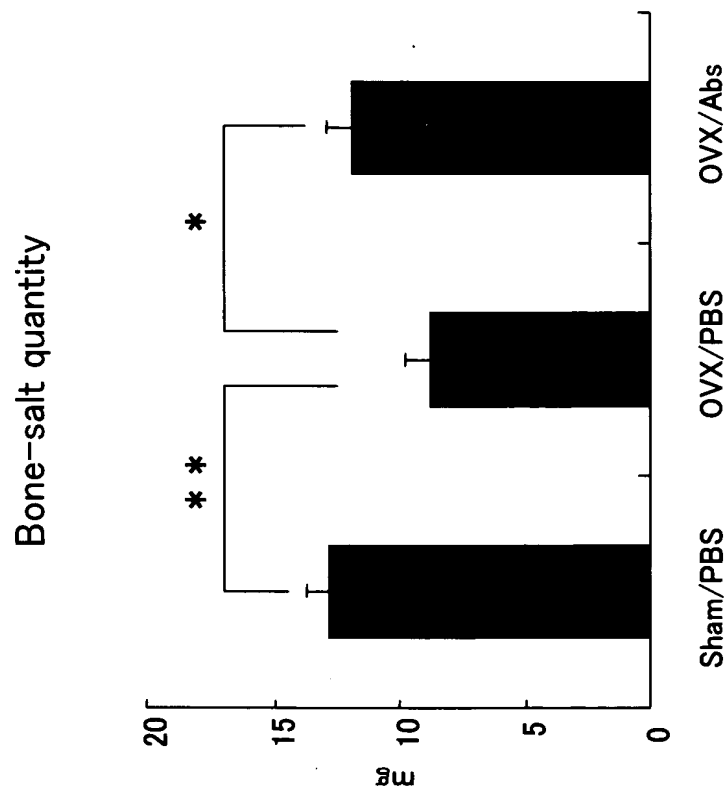


Fig. 30B

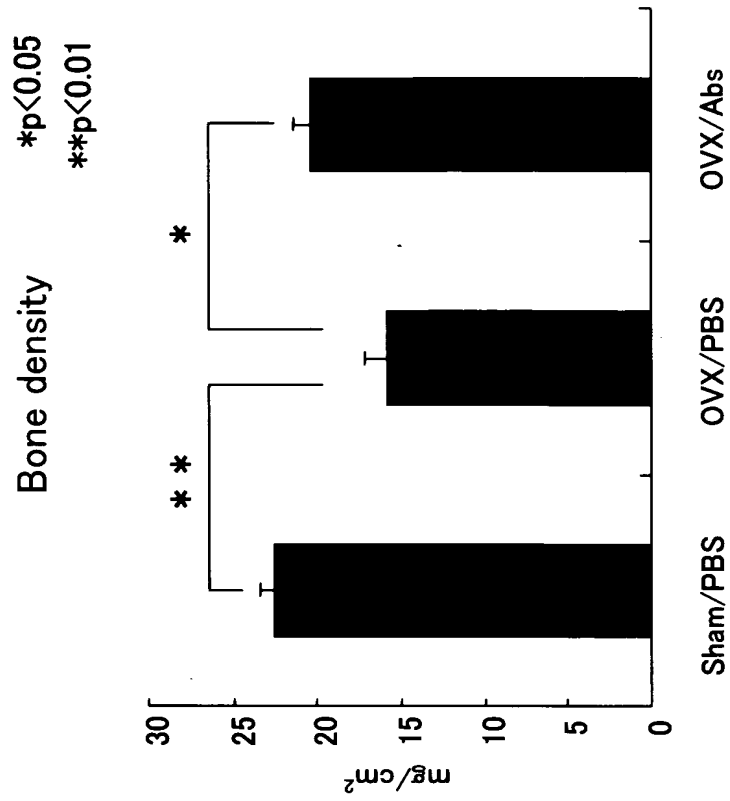


Fig. 31A

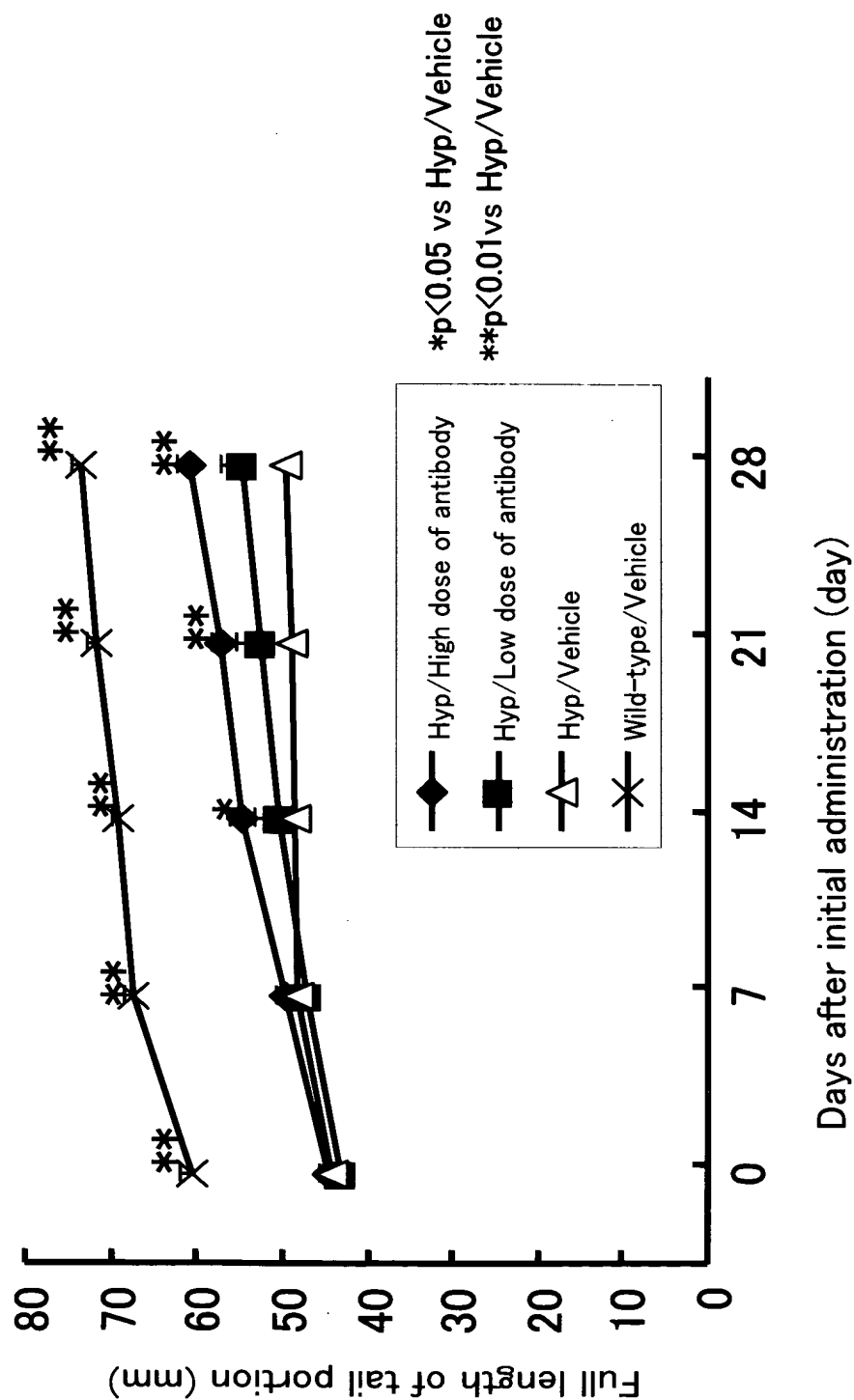


Fig. 31B

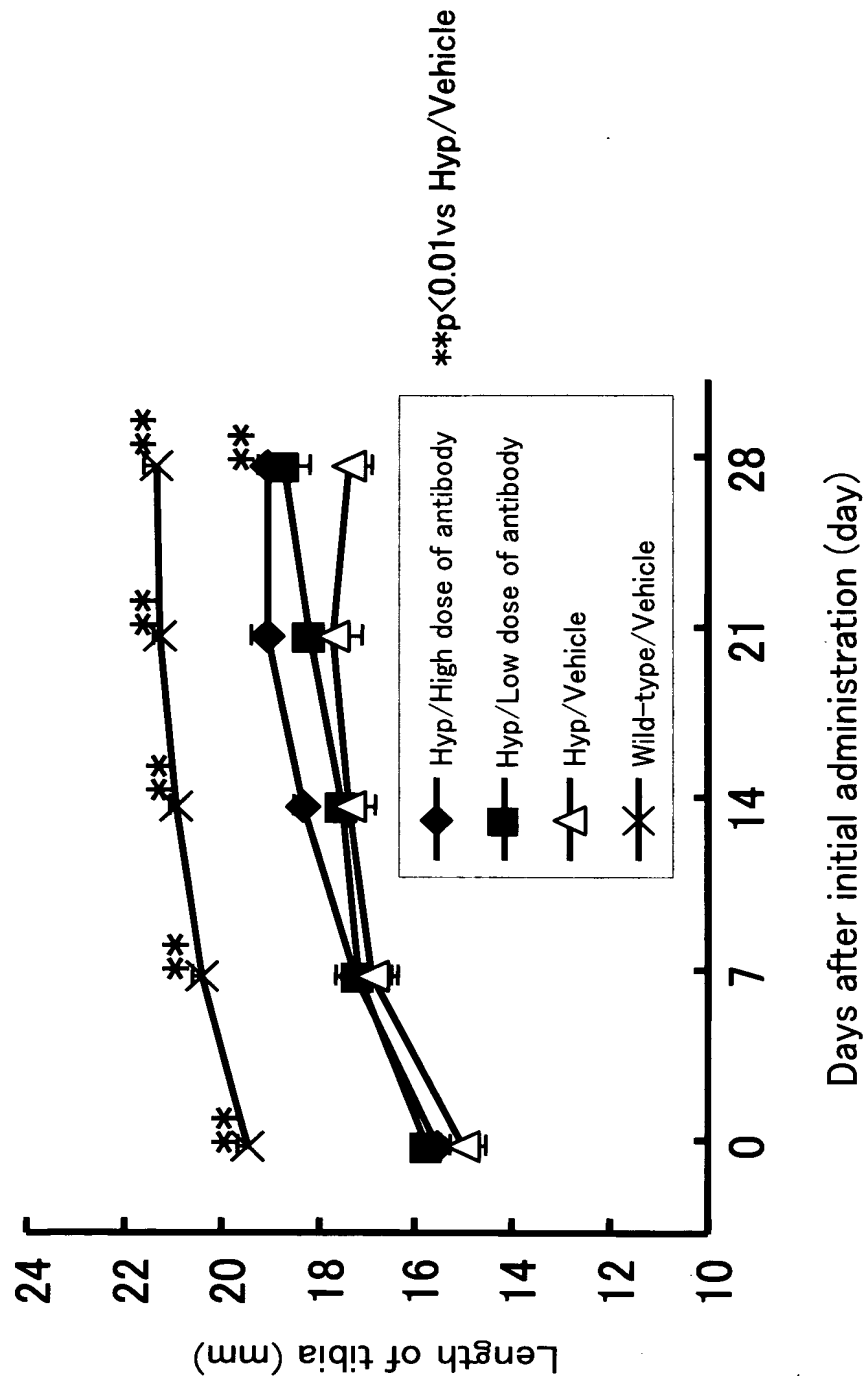
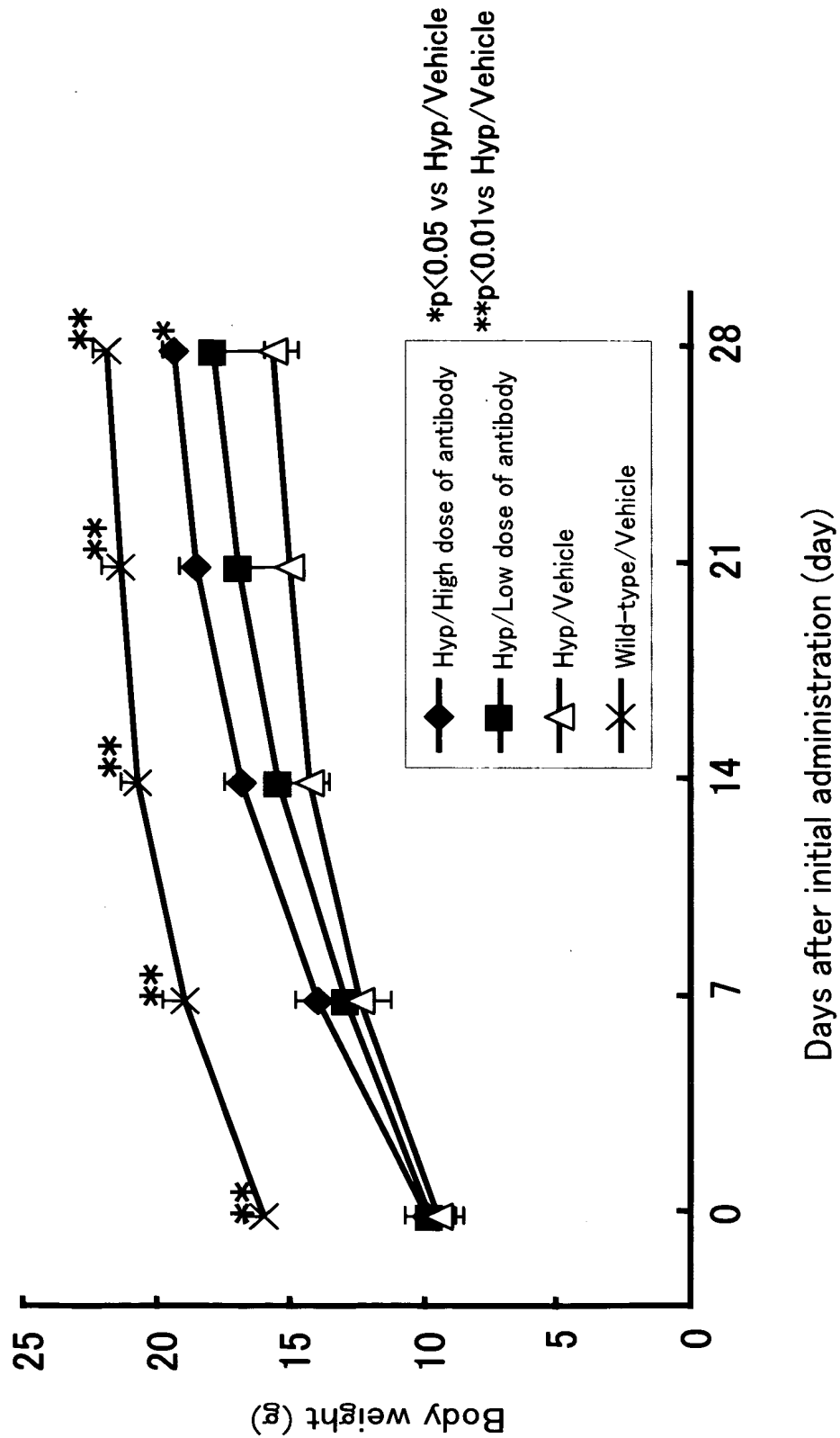


Fig. 31C



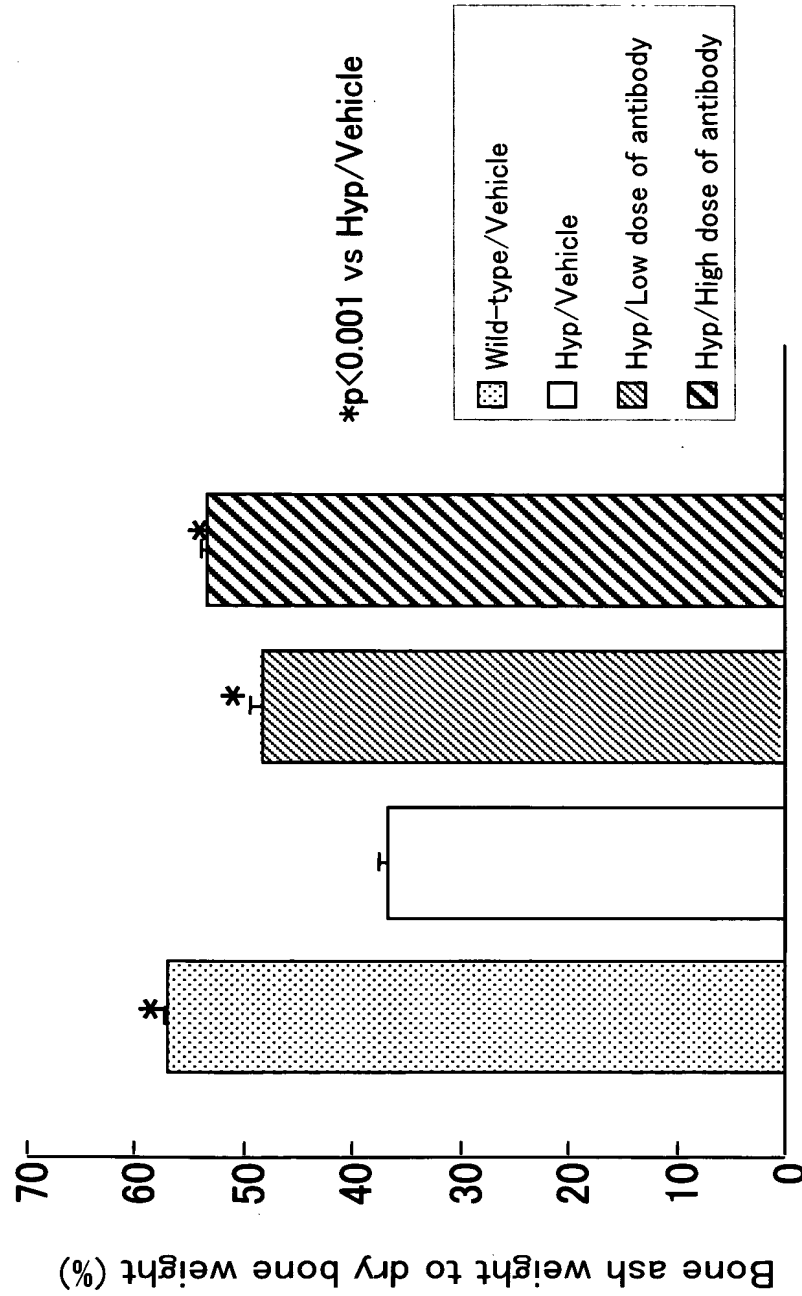


Fig. 32

Fig. 33

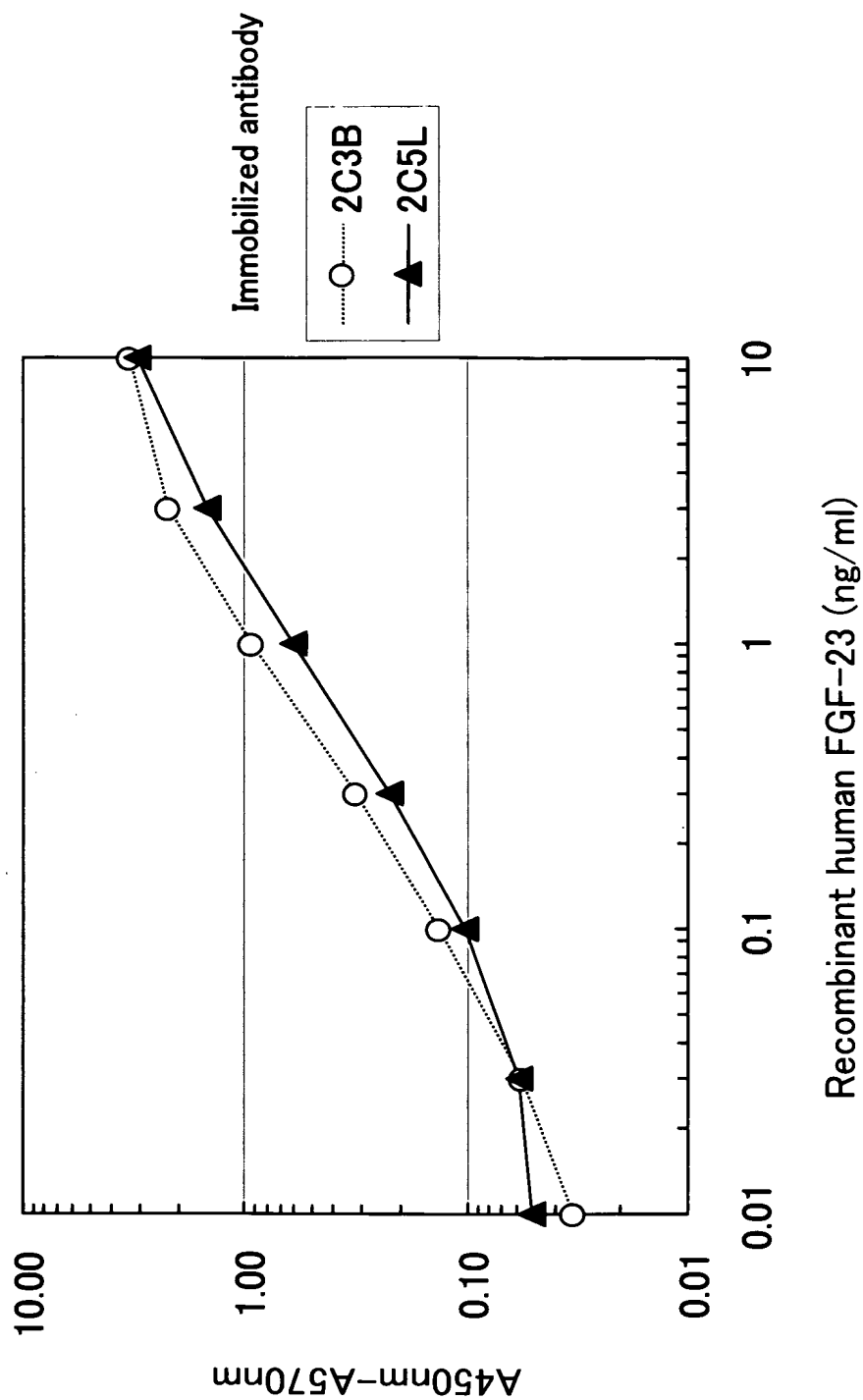
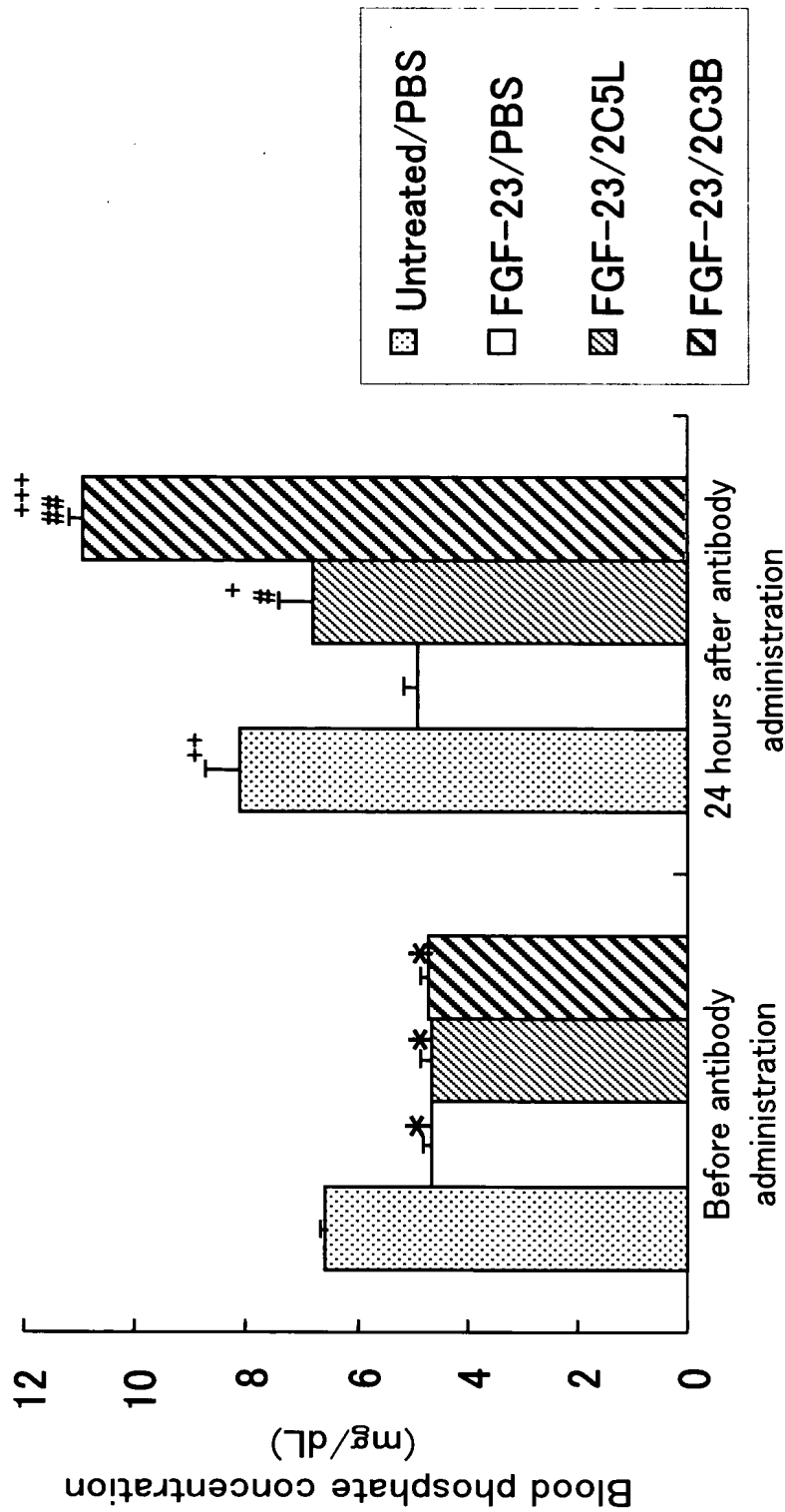


Fig. 34



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